

DOT/FAA/AM-01/1

Office of Aviation Medicine
Washington, D.C. 20591

Index to FAA Office of Aviation Medicine Reports: 1961 Through 2000

William E. Collins
Michael E. Wayda

Civil Aeromedical Institute
Federal Aviation Administration
Oklahoma City, Oklahoma 73125

January 2001

Final Report

This document is available to the public
through the National Technical Information
Service, Springfield, Virginia 22161.



U.S. Department
of Transportation
**Federal Aviation
Administration**

NOTICE

This document is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The United States Government assumes no liability for the contents thereof.

PART I: CHRONOLOGICAL INDEX

FAA Office of Aviation Medicine Reports: 1961 through 2000

1961

- 61-1 Trites, D. K: Problems in air traffic management: I. Longitudinal prediction of effectiveness of air traffic controllers. AD268954

1962

- 62-1 Swearingen, J. J., Wheelwright, C. D., and Garner, J. D: An analysis of sitting areas and pressures of man. AD271138
- 62-2 Cobb, B. B., Jr: Problems in air traffic management: II. Prediction of success in air traffic controller school. N62-10354
- 62-3 Trites, D. K., and Cobb, B. B., Jr: Problems in air traffic management: III. Implications of age for training and job performance of air traffic controllers. N62-10353
- 62-4 Swearingen, J. J., and Mohler, S. R: Sonotropic effects of commercial air transport sound on birds. AD280212
- 62-5 Iampietro, P. F., and Goldman, R: Prediction of energy cost of treadmill work. AD280607
- 62-6 Balke, B: Human tolerances. AD421156
- 62-7 Hasbrook, A. H., and Earley, J. C: Failure of rearward-facing seat backs and resulting injuries in a survivable transport accident. AD421157
- 62-8 Smith, P. W: Toxic hazards in aerial application. AD421158
- 62-9 Hasbrook, A.H., Garner, J. D., and Snow, C. C: Evacuation pattern analysis of a survivable commercial aircraft crash. AD282893
- 62-10 Daugherty, J. W., Lacey, D. E., and Korty, P: Problems in aerial application: I. Some biochemical effects of lindane and dieldrin on vertebrates. AD288413
- 62-11 Hawkes, G. R: Tactile communication. AD288414
- 62-12 Dille, J.R., Newton, N. L., and Culver, J. F: The effects of simulated altitude on penetrating eye injuries. AD288415
- 62-13 Swearingen, J. J., Hasbrook, A. H., Snyder, R. G., and McFadden, E. B: Kinematic behavior of the human body during deceleration. AD283938
- 62-14 Swearingen, J. J: Determination of centers of gravity of man. AD287156
- 62-15 Gogel, W. C: The visual perception of size and distance. AD287197
- 62-16 Hawkes, G. R: Absolute identifications of cutaneous stimuli varying in both intensity level and duration. AD295134
- 62-17 Collins, W. E: Manipulation of arousal and its effects on human vestibular nystagmus induced by caloric irrigation and angular accelerations. AD290348
- 62-18 Hinshaw, L. B., Brake, C. M., Iampietro, P. F., and Emerson, T. E., Jr: Effect of increased venous pressure on renal hemodynamics. AD295137

Part I: Chronological Index

- 62-19 Snyder, R. G: A case of survival of extreme vertical impact in seated position. AD295136
- 62-20 Mohler, S. R: Civil aeromedical research: Responsibilities, aims, and accomplishments. AD295135
- 62-21 McFadden, E. B., Raeke, J. W., and Young, J. W: An improved method for determining the efficiency of crew and passenger oxygen masks. AD297835
- 1963
- 63-1 Emerson, T. E., Jr., Hinshaw, L. B., Brake, C. M., and Iampietro, P. F: The development of reversible hematuria and oliguria following elevation of renal venous pressure. AD299775
- 63-2 Mohler, S. R., and Dille, J. R: Resume and index of reports of the Civil Aeromedical Research Institute, 1961-1962. AD431924
- 63-3 Collins, W. E: Observations on the elicitation of secondary and inverted primary nystagmus from the cat by unilateral caloric irrigation. AD413456
- 63-4 Daugherty, J. W., Lacey, D. E., and Korty, P: Problems in aerial application: II. Effects of chlorinated hydrocarbons on substratelinked phosphorylation. AD418504
- 63-5 Melton, C. E., Jr: Neural control of the ciliary muscle. AD413392
- 63-6 Balke, B: A simple field test for the assessment of physical fitness. AD413393
- 63-7 Tobias, J. V., and Jeffress, L. A: Relation of earphone transient response to measurement of onset-duration. AD413391
- 63-8 McKenzie, J. M., Fowler, P. R., and Lyne, P. J: Calibration of an electronic counter and pulse height analyzer for plotting erythrocyte volume spectra. AD425598
- 63-9 Swearingen, J. J., and McFadden, E. B: Studies of air loads on man. AD602207
- 63-10 Gogel, W. C: The perception of depth from binocular disparity. AD429827
- 63-11 Lategola, M. T: In vivo measurement of total gas pressure in mammalian tissue. AD425537
- 63-12 Nagle, F. J., Balke, B., Ganslen, R. V., and Davis, A. W: The mitigation of physical fatigue with Spartase. AD429001
- 63-13 Collins, W. E: Primary, secondary, and caloric nystagmus of the cat following habituation to rotation. AD428756
- 63-14 Collins, W. E: Nystagmus responses of the cat to rotation and to directionally equivalent and nonequivalent stimuli after unilateral caloric habituation. AD425565
- 63-15 Snyder, R. G: Human survivability of extreme impacts in free-fall. AD425412
- 63-16 Emerson, T. E., Jr., Brake, C. M., and Hinshaw, L. B: Mechanisms of action of the insecticide endrin. AD431299
- 63-17 Tobias, J. V: Application of a "relative" procedure to a problem in binaural beat perception. AD428899
- 63-18 Balke, B: Experimental evaluation of work capacity as related to chronological and physiological aging. AD431301
- 63-19 Wernick, J. S., and Tobias, J. V: A central factor in pure tone auditory fatigue. AD428737
- 63-20 Gogel, W. C: The visual perception of spatial extent. AD432587

- 63-21 Tang, P. C., and Dille, J. R: In-flight loss of consciousness; a case report. AD430394
- 63-22 Hinshaw, L. B., Page, B. B., Brake, C. M., Emerson, T. E., Jr., and Masucci, F. D: The mechanisms of intrarenal hemodynamic changes following acute arterial occlusion. AD431302
- 63-23 Higgins, E. A., Iampietro, P. F., Adams, T., and Holmes, D. D: The effects of a tranquilizer on body temperature. AD432484
- 63-24 Dille, J. R., and Smith, P. W: Central nervous system effects of chronic exposure to organophosphate insecticides. AD434090
- 63-25 Adams, T., Funkhouser, G. E., and Kendall, W. W: A method for the measurement of physiologic evaporative water loss. AD603418
- 63-26 Reins, D. A., Holmes, D. D., and Hinshaw, L. B: Acute and chronic effects of the insecticide endrin on renal function and renal hemodynamics. AD602206
- 63-27 Dille, J. R., Crane, C. R., and Pendergrass, G. E: The flammability of lip, face, and hair preparations in the presence of 100% oxygen. AD602204
- 63-28 Gogel, W. C: Size cues and the adjacency principle. AD602205
- 63-29 Collins, W. E: Task-control of arousal and the effects of repeated unidirectional angular acceleration on human vestibular responses. AD603419
- 63-30 Snyder, R. G., Ice, J., Duncan, J. C., Hyde, A. S., and Leverett, S., Jr: Biomedical research studies in acceleration. AD601531 Supplement—AD801793
- 63-31 Trites, D. K., and Cobb, B. B., Jr: Problems in air traffic management: IV. Comparison of preemployment, job-related experience with aptitude tests as predictors of training and job performance of air traffic control specialists. AD603416
- 63-32 Hinshaw, L. B., Emerson, T. E., Jr., and Brake, C. M: Mechanism of autoregulation in the intact kidney. AD603417
- 63-33 Dill, D. B., Robinson, S. Balke, B., and Newton, J. L: Work tolerance: Age and altitude. AD603932
- 63-34 Ganslen, R. V., Balke, B., Phillips, E. E., and Nagle, F: Effects of some tranquilizing, analeptic, and vasodilating drugs on physical work capacity and orthostatic tolerance. AD603930
- 63-35 Pearson, R. G: Human factors aspects of lightplane safety. AD603931
- Tech. Pub. #1 Collins, W. E., Tobias, J. V., Capps, M. J., and Allen, M. E: Annotated bibliography of recently translated material. I. AD424640

1964

- 64-1 Wentz, A. E: Studies on aging in aviation personnel. AD456652
- 64-2 Naughton, J., Balke, B., and Nagle, F: The effect of physical conditioning on an individual before and after suffering a myocardial infarction. AD456653
- 64-3 Nagle, F. J., and Balke, M: The gradational step test for assessing cardiorespiratory capacity: An experimental evaluation of treadmill and step test procedures. AD456654
- 64-4 Spieth, W: Cardiovascular health status, age, and psychological performance. AD453578

Part I: Chronological Index

- 64-5 Moser, K. M: Current status of clot dissolution therapy. AD453579
- 64-6 Seipel, J. H., and Wentz, A. E: Unsuspected neurologic disease in aviation personnel: Survival following seizures in flight. AD453580
- 64-7 Houk, V. N., Hufnagel, C. A., McClenathan, J. E., and Moser, K. M: Chronic thrombotic obstruction of major pulmonary arteries. AD453581
- 64-8 Moser, K. M., Perry, R. B., and Luchsinger, P. C: Cardiopulmonary consequences of pyrogen-induced hyperpyrexia in man.
- 64-9 Freud, S. L: Duration of spiral aftereffect as a function of retinal size, retinal place, and hemiretinal transfer. AD618588
- 64-10 Freud, S. L: Duration as a measure of the spiral aftereffect. AD618589
- 64-11 Pinkerson, A. L., Kot, P. A., and Knowlan, D. M: Effect of glyceryl trinitrate on pulmonary vasculature of anesthetized dogs.
- 64-12 Scarborough, W. R: Comments on progress in ballistocardiographic research and the current state of the art. AD455651
- 64-13 Gogel, W. C: The size cue to visually perceived distance. AD456655
- 64-14 Capps, M. J., and Collins, W. E: Effects of bilateral caloric habituation on nystagmus responses of the cat. AD455652
- 64-15 Collins, W. E., and Huffman, H. W: Design and performance characteristics of a mechanically driven vestibular stimulator. AD456656
- 64-16 Tobias, J. V., Collins, W. E., and Allen, M. E: Aviation medicine translations: Annotated bibliography of recently translated material. II. AD456670
- 64-17 Freud, S. L: The physiological locus of the spiral aftereffect. AD611881
- 64-18 Melton, C. E., Jr: Physiological recordings from pilots operating an aircraft simulator. AD456671
- 64-19 Perloff, J. K: The recognition of strictly posterior myocardial infarction by conventional scalar electrocardiography. AD611882
- 64-20 FAA Aviation Medical Library: Aviation medical papers and reports: a bibliography. AD613364
- 1965
- 65-1 Capps, M. J., and Collins, W. E: Auditory fatigue: Influence of mental factors. AD459636
- 65-2 Collins, W. E., and Capps, M. J: Effects of several mental tasks on auditory fatigue. AD459637
- 65-3 Reighard, H. L: Medical services at airports. AD611883
- 65-4 Seipel, J. H., Ziemnowicz, S. A. R., and O'Doherty, D. S: Cranial impedance plethysmography—Rheoencephalography as a method of detection of cerebrovascular disease. AD611884
- 65-5 Hauty, G. T., Trites, D. K., and Berkley, W. J: Biomedical survey of ATC facilities: I. Incidence of self-reported symptoms. AD689806

- 65-6 Hauty, G. T., Trites, D. K., and Berkley, W. J: Biomedical survey of ATC facilities: II. Experience and age. N66-16669
- 65-7 Mohler, S. R., Swearingen, J. J., McFadden, E. B., and Garner, J. D: Human factors of emergency evacuation. AD459638
- 65-8 Van Brummelen, A. G. W., Scarborough, W. R., and Josenhans, W. K. T: On the elimination of pulse wave velocity in stroke volume determination from the ultralow frequency displacement ballistocardiogram. AD612450
- 65-9 Lowenstein, O., Feinberg, R., and Loewenfeld, I: Pupillary movements during acute and chronic fatigue. AD612451
- 65-10 O'Connor, W. F., and Pearson, R. G: ATC system error and appraisal of controller proficiency. N66-16583
- 65-11 Gogel, W. C: The equidistance tendency and its consequences: Problems in depth perception. AD621432
- 65-12 Snyder, R. G: Survival of high-velocity free-falls in water. AD621021
- 65-13 Mohler, S. R: Fatigue in aviation activities. AD620022
- 65-14 Snow, C. C., and Hasbrook, A. H: The angle of shoulder slope in normal males as a factor in shoulder-harness design. AD653920
- 65-15 Scarborough, W. R. (Joint NASA-FAA publication): Ballistocardiography: a bibliography. N65-35520
- 65-16 Hauty, G. T., and Adams, T: Pilot fatigue: Intercontinental jet flight: Oklahoma City-Tokyo. AD621433
- 65-17 Allen, M. E., Collins, W. E., Tobias, J. V., and Crain, R. A: Aviation medicine translations: Annotated bibliography of recently translated material. III. AD617090
- 65-18 Collins, W. E: Adaptation to vestibular disorientation: I. Vertigo and nystagmus following repeated clinical stimulation. AD617091
- 65-19 Cobb, B. B., Jr: Problems in air traffic management: V. Identification and potential of aptitude test measures for selection of tower air traffic controller trainees. AD620722
- 65-20 Swearingen, J. J: Tolerances of the human face to crash impact. AD621434
- 65-21 Trites, D. K: Problems in air traffic management: VI. Interaction of training-entry age with intellectual and personality characteristics of air traffic control specialists. AD620721
- 65-22 Trites, D. K., Miller, M. C., and Cobb, B. B., Jr: Problems in air traffic management. VII. Job and training performance of air traffic control specialists—measurement, structure, and prediction. AD649292
- 65-23 Swearingen, J. J., and Young, J. W: Determination of centers of gravity of children, sitting and standing. AD661865
- 65-24 Collins, W. E: Adaptation to vestibular disorientation. II. Nystagmus and vertigo following high-velocity angular accelerations. AD621435
- 65-25 Feinberg, R., and Podolak, E: Latency of pupillary reflex to light stimulation and its relationship to aging. AD689809
- 65-26 Snow, C. C., and Snyder, R. G: Anthropometry of air traffic control trainees. N66-25185
- 65-27 Brake, C. M., Reins, D., Wittmers, L. E., and Hinshaw, L. B. Intrarenal hemodynamic changes following acute partial renal arterial occlusion. AD649263

Part I: Chronological Index

- 65-28 Hauty, G. T., and Adams, T: Phase shifts of the human circadian system and performance deficit during the periods of transition: I, East-West flight. AD639637
- 65-29 Hauty, G. T., and Adams, T: Phase shifts of the human circadian system and performance deficit during the periods of transition: II. West-East flight. AD689811
- 65-30 Hauty, G. T., and Adams, T: Phase shifts of the human circadian system and performance deficit during the periods of transition: III. North-South flight. AD689812
- 65-31 Pearson, R. G., Hunter, C. E., and Neal, G. L: Development and evaluation of a radar air traffic control research task. AD660198
- 65-32 Gogel, W. C., and Mertens, H. W: Problems in depth perception: A method of simulating objects moving in depth. AD660171
- 1966**
- 66-1 Allen, M. E., and Mohler, S. R: Aviation medicine reports: An annotated catalog of Office of Aviation Medicine reports: 1961 through 1965. AD638732
- 66-2 Allen, M. E., and Crain, R. A: Aviation medicine translations: Annotated bibliography of recently translated material. IV. AD651907
- 66-3 Mohler, S. R., and Swearingen, J. J: Cockpit design for impact survival. AD687411
- 66-4 Tobias, J. V: A table of intensity increments. AD642113
- 66-5 Clark, G: Problems in aerial application: A comparison of the effects of dieldrin poisoning in cold-adapted and room-temperature mammals. N66-30197
- 66-6 Fiorica, V: Fatigue and stress studies: An improved semiautomated procedure for fluorometric determination of plasma catecholamines. AD653748
- 66-7 McFadden, E. B: Evaluation of the physiological protective efficiency of a new prototype disposable passenger oxygen mask. AD644118
- 66-8 Mohler, S. R: The predominant causes of crashes and recommended therapy. AD639779
- 66-9 Young, J. W: Selected facial measurements of children for oxygen mask design. AD640062
- 66-10 O'Connor, W. F., and Pendergrass, G. E: Effects of decompression on operator performance. AD675774
- 66-11 Hinshaw, L. B., Reins, D. A., Emerson, T. E., Jr., Rieger, J. A., Jr., Stavinoha, W. B., Fiorica, V., Solomon, L. A., and Holmes, D. D: Problems in aerial application: I.—V. AD660199
- 66-12 Swearingen, J. J: Injury potentials of light-aircraft instrument panels. AD642114
- 66-13 McFadden, E. B., and Simpson, J. M: Flotation characteristics of aircraft-passenger seat cushions. AD642349
- 66-14 Iampietro, P. F., Fiorica, V., Dille, J. R., Higgins, E. A., Funkhouser, G., and Moses, R: Problems in aviation personnel: Influence of a tranquilizer on temperature regulation in man. AD638733
- 66-15 O'Connor, W. F., Scow, J., and Pendergrass, G. E: Hypoxia and performance decrement. AD639780

- 66-16 Lategola, M. T., Harrison, H. F., and Barnard, C: The aeromedical assessment of human systolic and diastolic blood-pressure transients without direct arterial puncture. AD639615
- 66-17 Naughton, J., Shanbour, K., Armstrong, R., McCoy, J., and Lategola, M. T: Problems in aeromedical certification: Cardiovascular responses to exercise following myocardial infarction. AD640970
- 66-18 Swearingen, J. J: Evaluation of head and face injury potential of current airline seats during crash decelerations. AD653869
- 66-19 Pearson, R. G: Performance tasks for operator-skills research. AD642115
- 66-20 McFadden, E. B., and Lategola, M. T: Evaluation of the Sierra hanging quick-don crew pressure-breathing oxygen mask. AD645493
- 66-21 Naughton, J., Lategola, M. T., and Shanbour, K: Clinical aviation medicine: A physical-conditioning program for cardiac patients. AD640969
- 66-22 Gogel, W. C., and Mertens, H. W: Problems in depth perception: Perceived size and distance of familiar objects. AD641477
- 66-23 Iampietro, P. F., and Adams, T: The achievement of thermal balance and its maintenance during environmental stress. AD642350
- 66-24 Agee, F. L., Jr., and Gogel, W. C: Problems in depth perception: Equidistance judgments in the vicinity of a binocular illusion. AD641476
- 66-25 Mohler, S. R., Freud, S. L., Veregge, J. E., and Umberger, E. L: Physician flight accidents. AD648768
- 66-26 Clark, G: Problems in aerial application: Histochemistry of Weil stain on liver. AD652599
- 66-27 Dille, J. R., and Morris, Edward W: Human factors in general aviation accidents. AD640971
- 66-28 Mohler, S. R: Oxygen in general aviation. AD645497
- 66-29 Mohler, S. R: Recent findings on the impairment of airmanship by alcohol. AD644119
- 66-30 Mohler, S. R., and Harper, C. R: Protecting the Ag pilot. AD641478
- 66-31 Von Rosenberg, C. W., Keen, F. R., and Mohler, S. R: The “stall barrier” as a new preventive in general aviation accidents. AD642351
- 66-32 Mohler, S. R., and Hasbrook, A. H: In-flight response to a new non-gyroscopic blind flight instrument. AD641479
- 66-33 Young, J. W: Recommendations for shoulder restraint installation in general aviation aircraft. AD646054
- 66-34 Clark, G: Problems in aerial application: A comparison of the acute effects of endrin and carbon tetrachloride on the livers of rats and of the residual effects one month after poisoning. AD645494
- 66-35 Melton, C. E., Jr., and Wicks, S. M: Pilot vision considerations: The effect of age on binocular fusion time. AD645495
- 66-36 Nagle, F. J., Naughton, J., and Balke, B: Clinical aviation medicine research: Comparison of simultaneous measurements of intra-aortic and auscultatory blood pressure with pressure-flow dynamics during rest and exercise. AD645496

Part I: Chronological Index

- 66-37 Collins, W. E: Adaptation to vestibular disorientation. III. Influence on adaptation of interrupting nystagmic eye movements with opposing stimuli. AD649615
- 66-38 Mertens, H. W: A homogeneous field for light adaptation.
- 66-39 Melton, C. E., Jr., Higgins, E. A., Saldivar, J. T., and Wicks, S. M: Exposure of men to intermittent photic stimulation under simulated IFR conditions. AD646872
- 66-40 Swearingen, J. J: Evaluation of various padding materials for crash protection. AD647048
- 66-41 McKenzie, J. M., and Fiorica, V: Physiological responses of pilots to severe-weather flying. AD646871
- 66-42 Garner, J. D., and Blethrow, J. G: Emergency evacuation tests of a crashed L-1649. AD645423
- 1967**
- 67-1 Cobb, B. B., Jr: The relationships between chronological age, length of experience, and job performance ratings of air route traffic control specialists. AD661468
- 67-2 Mertens, R. A., and Collins, W. E: Adaptation to vestibular disorientation. IV. Responses to angular acceleration and to bilateral caloric stimulation following unilateral caloric habituation. AD653696
- 67-3 McFadden, E. B: Development of techniques for evaluating the physiological protective efficiency of civil aviation oxygen equipment. AD659498
- 67-4 McFadden, E. B., Reynolds, H. I., and Funkhouser, G. E: A protective passenger smoke hood. AD657436
- 67-5 Fowler, P. R., and McKenzie, J. M: Problems in aerial application: Detection of mild poisoning by organophosphorus pesticides using an automated method for cholinesterase activity. AD656211
- 67-6 Collins, W. E., and Guedry, F. E., Jr: Adaptation to vestibular disorientation. V. Eye-movement and subjective turning responses to two durations of angular acceleration. N67-38956
- 67-7 Guedry, F. E., Jr., and Collins, W. E: Adaptation to vestibular disorientation. VI. Eye-movement and subjective turning responses to varied durations of angular acceleration. AD671855
- 67-8 Lewis, M. F., and Ashby, F. K: Diagnostic tests of color-defective vision: Annotated bibliography, 1956-1966. AD660200
- 67-9 McFadden, E. B., Harrison, H. F., and Simpson, J. M: Performance characteristics of constant-flow phase dilution oxygen mask designs for general aviation. AD660201
- 67-10 Rowland, R. C., Jr., and Tobias, J. V: Interaural intensity difference limen. AD661235
- 67-11 Seipel, J. H: The biophysical basis and clinical applications of rheoencephalography. AD673082
- 67-12 Collins, W. E: Adaptation to vestibular disorientation. VII. Special effects of brief periods of visual fixation on nystagmus and sensations of turning. AD659192
- 67-13 Young, J. W: A functional comparison of basic restraint systems. AD660202
- 67-14 Swearingen, J. J: An evaluation of potential decompression hazards in small pressurized aircraft. AD660203
- 67-15 Melton, C. E., Jr., and Wicks, S. M: In-flight physiological monitoring of student pilots. AD665660

- 67-16 Lewis, M. F: Cross-modality matching of loudness to brightness for flashes of varying luminance and duration. AD664463
- 67-17 Funkhouser, G. E., and Billings, S. M: A portable device for the measurement of evaporative water loss. AD664465
- 67-18 Gogel, W. C: Cue-enhancement as a function of task-set. AD664466
- 67-19 Collins, W. E: Adaptation to vestibular disorientation. VIII. "Coriolis" vestibular stimulation and the influence of different visual surrounds. N68-16799
- 67-20 Gogel, W. C., and Mertens, H. W: Perceived depth between familiar objects. AD665293
- 67-21 Crane, C. R., and Sanders, D. C: Evaluation of a biocidal turbine-fuel-additive. AD665661
- 67-22 Mohler, S. R., Bedell, R. H. S., Ross, A., and Veregge, E. J: Aircraft accidents by older persons. AD663688
- 67-23 Veregge, E. J: Type airman certification as related to accidents. AD663688
- 67-24 Lewis, M. F., and Mertens, H. W: Reaction time as a function of flash luminance and duration. AD664464
- 67-25 Siegel, P. V: Aviation medicine, FAA-1966. AD675943

1968

- 68-1 Index to FAA Office of Aviation Medicine Reports: 1961 through 1967. AD673666
- 68-2 Collins, W. E: Adaptation to vestibular disorientation: IX. Influence of head position on the habituation of vertical nystagmus. AD677460
- 68-3 Podolak, E., Kinn, J. B., and Westura, E. E: Biomedical applications of a commercial capacitance transducer. AD683292
- 68-4 Fiorica, V., Burr, M. J., and Moses, R: Contribution of activity to the circadian rhythm in excretion of magnesium and calcium. AD674416
- 68-5 Booze, C. F., Jr: Usage of combined airman certification by active airmen: An active airman population estimate. AD678947
- 68-6 Crosby, W. M., Snyder, R. G., Snow, C. C., and Hanson, P. G: Impact injuries in pregnancy. I. Experimental studies. AD674861
- 68-7 Allen, M. E., and Mertens, R. A: Aviation medicine translations: Annotated bibliography of recently translated material. V. AD673665
- 68-8 Mohler, S. R., Dille, J. R., and Gibbons, H. L: Circadian rhythms and the effects of long-distance flights. AD672898
- 68-9 Siegel, P. V., and Booze, C. F., Jr: A retrospective analysis of aeromedical certification denial actions. January 1961—December 1967. AD675521
- 68-10 Collins, W. E., and Schroeder, D. J: The spiral aftereffect: Influence of stimulus size and viewing distance on the duration of illusory motion. AD673644
- 68-11 Hasbrook, A. H., and Young, P. E: Pilot response to peripheral vision cues during instrument flying tasks. AD684804

Part I: Chronological Index

- 68-12 Hasbrook, A. H., and Young, P. E: Peripheral vision cues: Their effect on pilot performance during instrument landing approaches and recoveries from unusual attitudes. AD683305
- 68-13 Vaughan, J. A., Higgins, E. A., Funkhouser, G. E., and Galerston, E. M: The effects of body thermal state on manual performance. AD675522
- 68-14 Cobb, B. B., Jr: A comparative study of air traffic trainee aptitude-test measures involving Navy, Marine Corps, and FAA controllers. AD686669
- 68-15 Higgins, E. A., Davis, A. W., Jr., Fiorica, V., Iampietro, P. F., Vaughan, J. A., and Funkhouser, G. E: Effects of two antihistamine containing compounds upon performance at three altitudes. AD676502
- 68-16 Dille, J. R., and Mohler, S. R: Drug and toxic hazards in general aviation. AD686670
- 68-17 Thackray, R. I., and Pearson, D. W: The effects of cognitive appraisal of stress on heart rate and task performance. AD687413
- 68-18 Higgins, E. A., Davis, A. W., Jr., Vaughan, J. A., Funkhouser, G. E., and Galerston, E. M: The effects of alcohol at three simulated aircraft cabin conditions. AD686671
- 68-19 Snyder, R. G., and Snow, C. C: Fatal injuries resulting from extreme water impact. AD688424
- 68-20 Lewis, M. F: Two-flash thresholds as a function of flash luminance and area. AD686672
- 68-21 Tobias, J. V: Cockpit noise intensity: Fifteen single-engine light aircraft. AD686425
- 68-22 Hasbrook, A. H: A comparison of effects of peripheral vision cues on pilot performance during instrument flight in dissimilar aircraft simulators. AD688425
- 68-23 Fiorica, V: A table for converting pH to hydrogen ion concentration [H⁺] over the range 5-9. AD688120
- 68-24 Snyder, R. G., Snow, C. C., Crosby, W. M., Hanson, P., Fineg, J., and Chandler, R: Impact injury to the pregnant female and fetus in lap belt restraint. AD689359
- 68-25 Tobias, J. V: Cockpit noise intensity: Eleven twin-engine light aircraft. AD688111
- 68-26 Melton, C. E., Jr., Wicks, M., Saldivar, J. T., Morgan, J., and Vance, F. P: Physiological studies on air tanker pilots flying forest fire retardant missions. AD690090
- 68-27 Lewis, M. F., and Mertens, H. W: Assessment of the Broca-Sulzer phenomenon via inter- and intra-modality matching procedures: Studies of signal-light brightness. AD689358
- 68-28 Collins, W. E: Adaptation to vestibular disorientation. X. Modification of vestibular nystagmus and "vertigo" by means of visual stimulation. AD691405

1969

- 69-1 Melton, C. E., Jr., and Wicks, M: Binocular fusion time in sleep-deprived subjects. AD688426
- 69-2 Siegel, P. V., and Mohler, S. R: Medical factors in U.S. general aviation accidents. AD689740
- 69-3 Snyder, R. G., Snow, C. C., Young, J. W., Crosby, W. M., and Price, G. T: Pathology of trauma attributed to restraint systems in crash impacts. AD690415

- 69-4 Snyder, R. G., Young, J. W., and Snow, C. C: Experimental impact protection with advanced restraint systems: Preliminary primate tests with air bag and inertia reel/inverted-Y yoke torso harness. AD695416
- 69-5 Snyder, R. G., Crosby, W. M., Snow, C. C., Young, J. W., and Hanson, Seat belt injuries in impact. AD698298
- 69-6 Chiles, W. D., Bruni, C. B., and Lewis, R. A: Methodology in the assessment of complex human performance: The effects of signal rate on monitoring a dynamic process. AD697943
- 69-7 Pearson, D. W., and Thackray, R. I: Consistency of performance change and autonomic response as a function of expressed attitude toward a specific stress situation. AD697944
- 69-8 Thackray, R. I: Patterns of physiological activity accompanying performance on a perceptual-motor task. AD697945
- 69-9 Chiles, W. D., Gibbons, H. L., and Smith, P. W: Effects of two common medications on complex performance. AD703631
- 69-10 Iampietro, P. F., Chiles, W. D., Higgins, E. A., Gibbons, H. L., Jennings, A. E., and Vaughan, J. A: Complex performance during exposure to high temperatures. AD703632
- 69-11 Booze, C. F., Jr: Occupations of active airmen. AD704474
- 69-12 Melton, C. E., Jr., Hoffmann, S. M., and Delafield, R. H: The use of a tranquilizer (chlordiazepoxide) in flight training. AD703221
- 69-13 Snyder, R. G., Snow, C. C., Young, J. W., Price, G. T., and Hanson, P. G: Experimental comparison of trauma in lateral (+Gy), rearwardfacing (+Gx), and forward-facing (-Gx) body orientations when restrained by lap belt only. AD707185
- 69-14 Chiles, W. D., and Jennings, A. E: Effects of alcohol on complex performance. AD703633
- 69-15 Williams, M. J., and Collins, W. E: The spiral aftereffect. II. Some influences of visual angle and retinal speed on the duration and intensity of illusory motion. AD703634
- 69-16 Chiles, W. D., Bruni, C. B., and Lewis, R. A: Methodology in the assessment of complex performance: The effects of signal rate on monitoring a static process. AD703635
- 69-17 Siegel, P. V., Gerathewohl, S. J., and Mohler, S. R: Time-zone effects on the long-distance air traveler. AD702443
- 69-18 Siegel, P. V., Mohler, S. R., and Cierebiej, A: The safety significance of aircraft accident post mortem findings. AD704473
- 69-19 Pearson, D. W., Clark, G., and Moore, C. M: A comparison of the behavioral effects of various levels of chronic disulfoton poisoning. AD704470
- 69-20 Collins, W. E., and Updegraff, B. P: Adaptation to vestibular disorientation. XI. The influence of specific and nonspecific gravireceptors on nystagmic responses to angular acceleration. AD704471
- 69-21 Thackray, R. I., and Touchstone, R. M: Recovery of motor performance following startle. AD704472
- 69-22 Swearingen, J. J., Badgley, J. M., Braden, G. E., and Wallace, T. F: Determination of centers of gravity of infants. AD708514
- 69-23 Brecher, M. H., and Brecher, G. A: Motor effects from visually induced disorientation in man. AD708425
- 69-24 Gerathewohl, S. J: Fidelity of simulation and transfer of training: A review of the problem. AD706744

1970

- 70-1 Index to FAA Office of Aviation Medicine Reports: 1961 through 1969. AD714027
- 70-2 Brecher, M. H., and Brecher, G. A: Quantitative evaluation of optically induced disorientation. AD709329
- 70-3 Ryan, L. C., Endecott, B. R., Hanneman, G. D., and Smith, P. W: Effects of an organophosphorus pesticide on reproduction in the rat. AD709327
- 70-4 Crane, C. R., Sanders, D. C., and Abbott, J. K: Studies on the storage stability of human blood cholinesterases: I. AD714028
- 70-5 Higgins, E. A., Vaughan, J. A., and Funkhouser, G. E: Blood alcohol concentrations as affected by combinations of alcoholic beverage dosages and altitudes. AD709328
- 70-6 Tobias, J. V: Auditory processing for speech intelligibility improvement. AD717394
- 70-7 Hasbrook, A. H., and Rasmussen, P. G: Pilot heart rate during in-flight simulated instrument approaches in a general aviation aircraft. AD711268
- 70-8 Fiorica, V., Higgins, E. A., Lategola, M. T., Davis, A. W., Jr., and Iampietro, P. F: Physiological responses of men during sleep deprivation. AD713590
- 70-9 Gerathewohl, S. J., Morris, Everett W., and Sirkis, J. A: Anti-collision lights for the supersonic transport (SST). AD713488
- 70-10 Collins, W. E., Schroeder, D. J., Rice, N., Mertens, R. A., and Kranz, G: Some characteristics of optokinetic eye-movement patterns: A comparative study. AD715440
- 70-11 Revzin, A. M: Some acute and chronic effects of endrin on the brain. AD715452
- 70-12 Mohler, S. R: Physiologically tolerable decompression profiles for supersonic transport type certification. AD713055
- 70-13 Crane, C. R., Sanders, D. C., and Abbott, J. K: A comparison of three serum cholinesterase methods. AD715439
- 70-14 Karson, S., and O'Dell, J. W: Performance ratings and personality factors in radar controllers. AD715247
- 70-15 Lewis, M. F., and Mertens, H. W: Two-flash thresholds as a function of comparison stimulus duration. AD716645
- 70-16 Snow, C. C., Carroll, J. J., and Allgood, M. A: Survival in emergency escape from passenger aircraft. AD735388
- 70-17 Collins, W. E: Effective approaches to disorientation familiarization for aviation personnel. AD719003
- 70-18 Lategola, M. T., Fiorica, V., Booze, C. F., Jr., and Folk, E. D: Comparison of status variables among accident and nonaccident airmen from the active airman population. AD722148
- 70-19 Garner, J. D., and Blethrow, J. G: Evacuation tests from an SST mockup. AD720627
- 70-20 McFadden, E. B., and Smith, R. C: Protective smoke hood studies. AD727021
- 70-21 Lategola, M. T., and Harrison, H. F: A device and method for rapid indirect measurement of human systolic and diastolic blood pressures. AD722032
- 70-22 Iampietro, P. F: Tolerances to thermal extremes in aerospace activities. AD722001

1971

- 71-1 Tobias, J. V: Noise audiometry. AD723464
- 71-2 Melton, C. E., Jr., McKenzie, J. M., Polis, B. D., Funkhouser, G. E., and Iampietro, P. F: Physiological responses in air traffic control personnel: O'Hare Tower. AD723465
- 71-3 Swearingen, J. J: General aviation structures directly responsible for trauma in crash decelerations. AD728728
- 71-4 Iampietro, P. F: Use of skin temperature to predict tolerance to thermal environments. AD723466
- 71-5 Mertens, R. A., Goulden, D. R., Lacy, C. D., and Jones, K. N: Aviation medicine translations: Annotated bibliography of recently translated material. VI. AD723467
- 71-6 Schroeder, D. J: Alcohol and disorientation-related responses. I. Nystagmus and "vertigo" during caloric and optokinetic stimulation. AD728314
- 71-7 Thackray, R. I., and Jones, K. N: Effects of conflicting auditory stimuli on color-word interference and arousal. AD727018
- 71-8 Lategola, M. T: Biodynamic evaluation of air traffic control students between 1960-1963. AD726254
- 71-9 Cierebiej, A., Mohler, S. R., and Stedman, V. G: Physician pilot- in-command flight accidents, 1964 through 1970. AD724286
- 71-10 Gerathewohl, S. J., Mohler, S. R., and Siegel, P. V: Medical and psychological aspects of mass air transportation. AD726286
- 71-11 Fiorica, V., Burr, M. J., and Moses, R: Effects of low-grade hypoxia on performance in a vigilance situation. AD727019
- 71-12 Swearingen, J. J: Acceptance tests of various upper torso restraints. AD726253
- 71-13 Swearingen, J. J: Tolerances of the human brain to concussion. AD726287
- 71-14 Smith, R. C: Assessment of a "stress" response-set in the Composite Mood Adjective Check List. AD727020
- 71-15 Fiorica, V., and Moses, R: Automated differential fluorometric analysis of norepinephrine and epinephrine in blood plasma and urine. AD729535
- 71-16 Schroeder, D. J: Alcohol and disorientation-related responses. II. Nystagmus and "vertigo" during angular acceleration. AD730629
- 71-17 Chiles, W. D., Iampietro, P. F., Higgins, E. A., Vaughan, J. A., West, G., and Funkhouser, G. E: Combined effects of altitude and high temperature on complex performance. AD729536
- 71-18 Gibbons, H. L., and Fromhagen, C: Aeromedical transportation and general aviation. AD728315
- 71-19 Lategola, M. T: Changes in cardiovascular health parameters over an eight-year interval in an ATC population segment. AD729537
- 71-20 Collins, W. E., Gilson, R. D., Schroeder, D. J., and Guedry, F. E., Jr: Alcohol and disorientation-related responses. III. Effects of alcohol ingestion on tracking performance during angular acceleration. AD728843

Part I: Chronological Index

- 71-21 Smith, R. C., Melton, C. E., Jr., and McKenzie, J. M: Affect adjective check list assessment of mood variations in air traffic controllers. AD729832
- 71-22 Brecher, M. H., and Brecher, G. A: Effect of a moving optical environment on the subjective median. AD728316
- 71-23 Melton, C. E., Jr., and Fiorica, V: Physiological responses of low-time private pilots to cross-country flying. AD728317
- 71-24 Hasbrook, A. H., and Rasmussen, P. G: Aural glide slope cues: Their effect on pilot performance during in-flight simulated ILS instrument approaches, AD731848
- 71-25 Norwood, G. K: The philosophy and limitations of FAA aeromedical standards, policies, and procedures. AD729538
- 71-26 Friedberg, W., and Nelson, J. M: Calibration of the Concorde radiation detection instrument and measurements at SST altitude. AD732789
- 71-27 Lewis, M. F., and Steen, J. A: Color-defective vision and the recognition of aviation color signal light flashes. AD729539
- 71-28 Chiles, W. D., and Smith, R. C: A nonverbal technique for the assessment of general intellectual ability in selection of aviation personnel. AD728844
- 71-29 Thackray, R. I., Touchstone, R. M., and Jones, K. N: The effects of simulated sonic booms on tracking performance and autonomic response. AD729833
- 71-30 Smith, R. C., Cobb, B. B., Jr., and Collins, W. E: Attitudes and motivational factors in terminal area air traffic control work. AD730630
- 71-31 Mehling, K. D., Collins, W. E., and Schroeder, D. J: The spiral aftereffect: III. Some effects of perceived size, retinal size, and retinal speed on the duration of illusory motion. AD729834
- 71-32 Steen, J. A., and Lewis, M. F: Color defective vision and day and night recognition of aviation color signal light flashes. AD730631
- 71-33 Mohler, S. R., and Gerathewohl, S. J: Civil aeromedical standards for general-use aerospace transportation vehicles. AD728318
- 71-34 Gilson, R. D., Schroeder, D. J., Collins, W. E., and Guedry, F. E., Jr: Alcohol and disorientation-related responses. IV. Effects of different alcohol dosages and display illumination on tracking performance during vestibular stimulation. AD729835
- 71-35 Smith, R. C: Personality assessment in aviation: An analysis of the item ambiguity characteristics of the 16PF and MMPI. AD736266
- 71-36 Cobb, B. B., Jr., Lay, C. D., and Bourdet, N. M: The relationship between chronological age and aptitude test measures of advanced-level air traffic control trainees. AD733830
- 71-37 McFadden, E. B., and Young, J. W: Evaluation of an improved flotation device for infants and small children. AD729836
- 71-38 Norwood, G. K: Senior aviation medical examiners conducting FAA first-class medical examinations. AD731849
- 71-39 Hill, R. J., Collins, W. E., and Schroeder, D. J: Alcohol and disorientation-related responses: V. The influence of alcohol on positional, rotatory, and coriolis vestibular responses over 32-hour periods. AD735389

- 71-40 Cobb, B. B., Jr: Air traffic aptitude test measures of military and FAA controller trainees. AD737871
- 71-41 Higgins, E. A., Fiorica, V., Davis, H. V., and Thomas, A. A: The acute toxicity of brief exposure of HF, HCl, and N₂O and HCN singly and in combination with CO. AD735160
- 71-42 Mertens, H. W., and Lewis, M. F: Discrimination of short-duration (two-pulse) flashes as a function of signal luminance and method of measurement. AD737872
- 1972
- 72-1 Dille, J. R., and Grimm, M. H: Index to FAA Office of Aviation Medicine Reports: 1961 through 1971. AD742607
- 72-2 Yanowitch, R. E., Mohler, S. R., and Nichols, E. A: The psycho-social reconstruction inventory: A postdictal instrument in aircraft accident investigation. AD738464
- 72-3 Sirkis, J. A: The benefits of the use of shoulder harness in general aviation aircraft. AD739943
- 72-4 Billings, C. E., Wick, R. L., Jr., Gerke, R. J., and Chase, R. C: The effects of alcohol on pilot performance during instrument flight. AD740778
- 72-5 Chiles, W. D., Jennings, A. E., and West, G: Multiple-task performance as a predictor of the potential of air traffic controller trainees. AD741736
- 72-6 Lowrey, D. L., Langston, E. D., Reed, W., and Swearingen, J. J: Effectiveness of restraint equipment in enclosed areas. AD739944
- 72-7 Langston, E. D., and Swearingen, J. J: Evaluation of a fiberglass instrument glare shield for protection against head injury. AD740732
- 72-8 Zeiner, A. R., and Brecher, G. A: Effects of backscatter of brief high-intensity light on physiological responses of instrument-rated pilots and non-pilots. AD744234
- 72-9 Rasmussen, P. G., and Hasbrook, A. H: Pilot tracking performance during successive in-flight simulated instrument approaches. AD743392
- 72-10 McFadden, E. B: Physiological evaluation of a modified jet transport passenger oxygen mask. AD743422
- 72-11 Chiles, W. D., and Jennings, A. E: Effects of alcohol on a problem-solving task. AD743423
- 72-12 Crane, C. R., Sanders, D. C., and Abbott, J. K: A comparison of serum cholinesterase methods: II. AD744866
- 72-13 Booze, C. F., Jr: Attrition from active airman status during 1970. AD742608
- 72-14 Thackray, R. I., Jones, K. N., and Touchstone, R. M: The color- word interference test and its relation to performance impairment under auditory distraction. AD743424
- 72-15 Swearingen, J. J., Wallace, T. F., Blethrow, J. G., and Rowlan, D. E: Crash survival analysis of 16 agricultural aircraft accidents. AD745257
- 72-16 Jones, K. N., Goulden, D. R., and Grimm, E. J: Aviation medicine translations: Annotated bibliography of recently translated material. VII. AD747125
- 72-17 Iampietro, P. F., Melton, C. E., Jr., Higgins, E. A., Vaughan, J. A., Hoffman, S. M., Funkhouser, G. E., and Saldivar, J. T: High temperature and performance in a flight task simulator. AD746057

Part I: Chronological Index

- 72-18 Cobb, B. B., Jr., and Mathews, J. J: A proposed new test for aptitude screening of air traffic controller applicants. AD746058
- 72-19 Chiles, W. D., and West, G: Residual performance effects of simulated sonic booms introduced during sleep. AD747989
- 72-20 Lategola, M. T: The use of simple indicators for detecting potential coronary heart disease susceptibility in the air traffic controller population. AD747990
- 72-21 Jennings, A. E., Chiles, W. D., and West, G: Methodology in the measurement of complex human performance: Two-dimensional compensatory tracking. AD745259
- 72-22 Cobb, B. B., Jr., Mathews, J. J., and Lay, C. D: A comparative study of female and male air traffic controller trainees. AD751312
- 72-23 Smith, R. C: A study of the State-Trait Anxiety Inventory and the assessment of stress under simulated conditions. AD747991
- 72-24 Smith, R. C., and Hutto, G. L: Sonic booms and sleep: Affect change as a function of age. AD749277
- 72-25 Thackray, R. I., Jones, K. N., and Touchstone, R. M: Self-estimate of distractibility as related to performance decrement on a task requiring sustained attention. AD751396
- 72-26 Lategola, M. T: The use of simple indicators for detecting potential coronary heart disease susceptibility in the third-class airman population. AD749278
- 72-27 Karim, B., Bergey, K. H., Chandler, R. F., Hasbrook, A. H., Purswell, J. L., and Snow, C. C: A preliminary study of maximal control force capability of female pilots. AD753987
- 72-28 Mohler, S. R: G effects on the pilot during aerobatics. AD751397
- 72-29 Lewis, M. F., Mertens, H. W., and Steen, J. A: Behavioral changes from chronic exposure to pesticides used in aerial application: Effects of Phosdrin on the performance of monkeys and pigeons on variable interval reinforcement schedules. AD749893
- 72-30 Folk, E. D., Garner, J. D., Cook, E. A., and Broadhurst, J. L: GPSS/360 computer models to simulate aircraft passenger emergency evacuation. AD755542
- 72-31 Tobias, J. V: Binaural processing of speech in light aircraft. AD753637
- 72-32 Tobias, J. V: Auditory effects of noise on air-crew personnel. AD757239
- 72-33 Cobb, B. B., Jr., Mathews, J. J., and Nelson, P. L: Attrition-retention rates of air traffic controller trainees recruited during 1960-1963 and 1968-1970. AD757933
- 72-34 Schroeder, D. J., Gilson, R. D., Guedry, F. E., and Collins, W. E: Alcohol and disorientation-related responses. VI. Effects of alcohol on eye movements and tracking performance during laboratory angular accelerations about the yaw and pitch axes. AD766937
- 72-35 Collins, W. E., and Iampietro, P. F: Simulated sonic booms and sleep: Effects of repeated booms of 1.0 psf. AD762988

1973

- 73-1 Braden, G. E., Reed, W., and Swearingen, J. J: Application of commercial aircraft accident investigation techniques to a railroad derailment. AD764188
- 73-2 Smith, R. C: Job attitudes of air traffic controllers: A comparison of three air traffic control specialties. AD763508
- 73-3 Revzin, A. M: Subtle changes in brain functions produced by single doses of mevinphos (Phosdrin). AD763509
- 73-4 Revzin, A. M: Transient blindness due to the combined effects of mevinphos and atropine. AD763555
- 73-5 Yanowitch, R. E., Bergin, J. M., and Yanowitch, E. A: The aircraft as an instrument of self-destruction. AD763556
- 73-6 Lewis, M. F: Frequency of anticollision observing responses by solo pilots as a function of traffic density, ATC traffic warnings, and competing behavior. AD763557
- 73-7 Cobb, B. B., Jr., Nelson, P. L., and Mathews, J. J: The relationships of age and ATC experience to job performance rating of terminal area traffic controllers. AD773449
- 73-8 Booze, C. F., Jr: Prevalence and incidence of disease among airmen medically certified during 1965. AD773544
- 73-9 Hasbrook, A. H., and Rasmussen, P. G: In-flight performance of civilian pilots using moving-aircraft and moving-horizon attitude indicators. AD773450
- 73-10 Lategola, M. T., Lynn, C. A., Folk, E. D., Booze, C. F., Jr., and Lyne, P. J: Height and weight errors in aeromedical certification data. AD773452
- 73-11 Thackray, R. I., Rylander, R., and Touchstone, R. M: Sonic boom startle effects: Report of a field study. AD773451
- 73-12 Lewis, M. F., and Ferraro, D. P: Flying high: The aeromedical aspects of marihuana. AD775889
- 73-13 Tobias, J. V., and Irons, F. M: Reception of distorted speech. AD777564
- 73-14 Thackray, R. I., Jones, K. N., and Touchstone, R. M: Personality and physiological correlates of performance decrement on a monotonous task requiring sustained attention. AD777825
- 73-15 Smith, R. C., and Melton, C. E., Jr: Susceptibility to anxiety and shift difficulty as determinants of state anxiety in air traffic controllers. AD777565
- 73-16 Thackray, R. I., Touchstone, R. M., and Bailey, J. P: A comparison of the startle effects resulting from exposure to two levels of simulated sonic booms. AD777581
- 73-17 Schroeder, D. J., Collins, W. E., and Elam, G. W: Effects of secobarbital and d-amphetamine on tracking performance during angular acceleration. AD777582
- 73-18 Steen, J. A., Collins, W. E., and Lewis, M. F: Utility of several clinical tests of color-defective vision in predicting daytime and nighttime performance with the aviation signal light gun. AD777563
- 73-19 Constant, G. N., Goulden, D. R., and Grimm, E. J: Aviation medicine translations: Annotated bibliography of recently translated material. VIII. AD776136
- 73-20 Tobias, J. V., and Irons, F. M: Ear-protector ratings. AD779552

Part I: Chronological Index

- 73-21 Melton, C. E., Jr., McKenzie, J. M., Polis, B. D., Hoffmann, S. M., and Saldivar, J. T: Physiological responses in air traffic control personnel: Houston Intercontinental Tower. AD777838
- 73-22 Melton, C. E., Jr., McKenzie, J. M., Smith, R. C., Polis, B. D., Higgins, E. A., Hoffmann, S. M., Funkhouser, G. E., and Saldivar, J. T: Physiological, biochemical, and psychological responses in air traffic control personnel: Comparison of the 5-day and 2-2-1 shift rotation patterns. AD778214
- 73-23 Leeper, R. C., Hasbrook, A. H., and Purswell, J. L: Study of control force limits for female pilots. AD777839

1974

- 74-1 Dille, J. R., and Grimm, M. H: Index to FAA Office of Aviation Medicine Reports: 1961 through 1973. AD779553
- 74-2 Mathews, J. J., Collins, W. E., and Cobb, B. B: A sex comparison of reasons for attrition of nonjourneyman FAA air traffic controllers. AD780558
- 74-3 Collins, W. E: Adaptation to vestibular disorientation. XII. Habituation of vestibular responses: an overview. AD780562
- 74-4 Young, J. W., Fisher, R. G., Price, G. T., and Chandler, R. F: Experimental trauma of occipital impacts. AD780668
- 74-5 Booze, C. F., Jr: Characteristics of medically disqualified airman applicants during calendar year 1971. AD781684
- 74-6 Lategola, M. T., and Layne, P. J: Amplitude/frequency differences in a supine resting single-lead electrocardiogram of normal versus coronary heart diseased males. AD781685
- 74-7 Mathews, J. J., Collins, W. E., and Cobb, B. B., Jr: Job-related attitudes of nonjourneyman FAA air traffic controllers and former controllers: a sex comparison. AD787238
- 74-8 Cobb, B. B., Jr., and Nelson, P. L: Aircraft-pilot and other pre-employment experience as factors in the selection of air traffic controller trainees. ADA001039
- 74-9 Thackray, R. I., Touchstone, R. M., and Bailey, J. P: Behavioral, autonomic, and subjective reactions to low- and moderate-level sonic booms: A report of two experiments and a general evaluation of sonic boom startle effects. ADA002266
- 74-10 Chiles, W. D., and West, G: Multiple-task performance as a predictor of the potential of air traffic controller trainees: A followup study. ADA002920
- 74-11 Melton, C. E., Jr., McKenzie, J. M., Saldivar, J. T., and Hoffmann, S. M: Comparison of Opa Locka Tower with other ATC facilities by means of a biochemical stress index. ADA008378
- 74-12 Smith, R. C: A realistic view of the people in air traffic control. ADA006789

1975

- 75-1 Jones, K. N., Steen, J. A., and Collins, W. E: Predictive validities of several clinical color vision tests for aviation signal light gun performance. ADA006792
- 75-2 Snow, C. C., Reynolds, H. M., and Allgood, M. A: Anthropometry of airline stewardesses. ADA012965
- 75-3 Mathews, J. J., Cobb, B. B., Jr., and Collins, W. E: Attitudes on en route air traffic control training and work: A comparison of recruits initially trained at the FAA Academy and recruits initially trained at assigned centers. ADA013343

- 75-4 Collins, W. E., Lennon, A. O., and Grimm, E. J: The use of vestibular tests in civil aviation medical examinations: Survey of practices and proposals by aviation medical examiners. ADA015087
- 75-5 Ryan, L. C., Gerathewohl, S. J., Mohler, S. R., and Booze, C. F., Jr: To see or not to see: Visual acuity of pilots involved in midair collisions. ADA016277
- 75-6 Lewis, M. F., Ferraro, D. P., Mertens, H. W., and Steen, J. A: Interaction between marihuana and altitude on a complex behavioral task in baboons. ADA020680/5GI
- 75-7 Melton, C. E., Jr., Smith, R. C., McKenzie, J. M., Saldivar, J. T., Hoffmann, S. M., and Fowler, P. R: Stress in air traffic controllers: Comparison of two air route traffic control centers on different shift rotation patterns. ADA020679/7GI
- 75-8 Thackray, R. I., Bailey, J. P., and Touchstone, R. M: Physiological, subjective, and performance correlates of reported boredom and monotony while performing a simulated radar control task. ADA025426/8GI
- 75-9 Smith, R. C., Rana, B., and Taylor, D. K: An evaluation of the effectiveness of the FAA Management Training School. ADA025254/4GI
- 75-10 Higgins, E. A., Chiles, W. D., McKenzie, J. M., Iampietro, P. F., Winget, C. M., Funkhouser, G. E., Burr, M. J., Vaughan, J. A., and Jennings, A. E: The effects of a 12-hour shift in the wake-sleep cycle on the physiological and biochemical responses and on multiple-task performance. ADA021518/GGI
- 75-11 Tobias, J. V: Earplug ratings based on the protector-attenuation rating (P-AR). ADA024756/9GI
- 75-12 Hasbrook, A. H., Rasmussen, P. G., and Willis, D. M: Pilot performance and heart rate during in-flight use of a compact instrument display. ADA021519/4GI
- 75-13 Reynolds, H. M., and Allgood, M. A: Functional strength of commercial-airline stewardesses. ADA021836/2GI
- 75-14 Higgins, E. A., Chiles, W. D., McKenzie, J. M., Iampietro, P. F., Vaughan, J. A., Funkhouser, G. E., Burr, M. J., Jennings, A. E., and West, G: The effects of dextroamphetamine on physiological responses and complex performance during sleep loss. ADA021520/2GI
- 1976**
- 76-1 Jennings, A. E., and Chiles, W. D: An investigation of time-sharing ability as a factor in complex performance. ADA031881/GGA
- 76-2 Smith, R. C., and Melton, C. E: Effects of ground trainer use on the psychological and physiological states of students in private pilot training. ADA024704/9GI
- 76-3 Tobias, J. V: Massed versus distributed practice in learned improvement of speech intelligibility. ADA024705/GGI
- 76-4 Constant, G. N., Grimm, E. J., Goulden, D. R., and Murcko, L. E: Aviation medicine translations: Annotated bibliography of recently translated material. IX. ADA031492/2GA
- 76-5 Vaughan, J. A., and Welsh, K. W: Visual evaluation of smoke-protective devices. ADA031493/0GI
- 76-6 Cobb, B. B., Jr., Young, C. L., and Rizzuti, B. L: Education as a factor in the selection of air traffic controller trainees. ADA031880/8GI
- 76-7 Dille, J. R., and Booze, C. F., Jr: Accident experience of civilian pilots with static physical defects. ADA029431/4GI

Part I: Chronological Index

- 76-8 Reighard, H. L: Aviation medicine. ADA032558/9GI
- 76-9 Young, J. W., Reynolds, H. M., McConville, J. T., Snyder, R. G., and Chandler, R. F: Development and evaluation of masterbody forms for 3- and 6-year-old-child dummies. ADA037547/7GI
- 76-10 Dark, S. J: Characteristics of medically disqualified airman applicants in calendar years 1973 and 1974. ADA032603/3GI
- 76-11 Higgins, E. A., Chiles, W. D., McKenzie, J. M., Funkhouser, G. E., Burr, M. J., Jennings, A. E., and Vaughan, J. A: Physiological, biochemical, and multiple-task-performance responses to different alterations of the wake-sleep cycle. ADA033889/7GI
- 76-12 Collins, W. E: Some effects of sleep deprivation on tracking performance in static and dynamic environments. ADA033331/0GI
- 76-13 Melton, C. E., Jr., Smith, R. C., McKenzie, J. M., Hoffmann, S. M., and Saldivar, J. T: Stress in air traffic controllers: Effects of ARTS-III. ADA034752/GGI
- 76-14 Lentz, J. M., and Collins, W. E: Three studies of motion sickness susceptibility. ADA036284/8GI
- 76-15 McKenzie, J. M: The aeromedical significance of sickle-cell trait. ADA038466/9GI
- 1977**
- 77-1 Murcko, L. E., and Dille, J. R: Index to FAA Office of Aviation Medicine Reports: 1961 through 1976. ADA037234/2GI
- 77-2 Welsh, K. W., Vaughan, J. A., and Rasmussen, P. G: Survey of cockpit visual problems of senior pilots. ADA037587/3GI
- 77-3 Lategola, M. T., Flux, M., and Lyne, P. J: Spirometric assessment of potential respiratory impairment in general aviation airmen. ADA038296/0
- 77-4 Valdez, C. D: Ten-year survey of altitude chamber reactions using the FAA training chamber flight profiles. ADA03723/9GI
- 77-5 Saldivar, J. T., Hoffmann, S. M., and Melton, C. E: Sleep in air traffic controllers. ADA038297/8GI
- 77-6 Gerathewohl, S. J: Psychophysiological effects of aging: Developing a functional age index for pilots: I. A survey of the pertinent literature. ADA04032/0GI
- 77-7 Welsh, K. W., Rasmussen, P. G., and Vaughan, J. A: Intermediate visual acuity of presbyopic individuals with and without distance and bifocal lens corrections. ADA038538/5GI
- 77-8 Hanneman, G. D., Higgins, E. A., Price, G. T., Funkhouser, G. E., Grape, P. M., and Snyder, L: A study of effects of hyperthermia on large, short-haired male dogs: A simulated air transport environmental stress. ADA040432/7GI
- 77-9 Crane, C. R., Sanders, D. C., Endecott, B. R., Abbott, J. K., and Smith, P. W: Inhalation toxicology: I. Design of a small-animal test system. II. Determination of the relative toxic hazards of 75 aircraft cabin materials. ADA043646/9GI
- 77-10 Booze, C. F., Jr: An epidemiologic investigation of occupation, age, and exposure in general aviation accidents. ADA040978/9GI

- 77-11 Blethrow, J. G., Garner, J. D., Lowrey, D. L., Busby, D. E., and Chandler, R. F: Emergency escape of handicapped air travelers. ADA043269/0GI
- 77-12 Mertens, H. W: Perceived orientation of a runway model in nonpilots during simulated night approaches to landing. ADA044553/GGI
- 77-13 Welsh, K. W., Rasmussen, P. G., and Vaughan, J. A: Readability of alphanumeric characters having various contrast levels as a function of age and illumination mode. ADA044554/4GI
- 77-14 Welsh, K. W., Rasmussen, P. G., and Vaughan, J. A: Refractive error characteristics of early and advanced presbyopic individuals. ADA044555/1GI
- 77-15 Chiles, W. D: Objective methods for developing indices of pilot workload. ADA044556/9GI
- 77-16 Lategola, M. T., Flux, M., and Lyne, P. J: Altitude tolerance of general aviation pilots with normal or partially impaired spirometric function. ADA044557/7GI
- 77-17 Higgins, E. A., Chiles, W. D., McKenzie, J. M., Davis, A. W., Jr., Funkhouser, G. E., Jennings, A. E., Mullen, S. R., and Fowler, P. R: Effects of lithium carbonate on performance and biomedical functions. ADA044824/1GI
- 77-18 Thackray, R. I., Bailey, J. P., and Touchstone, R. M: The effect of increased monitoring load on vigilance performance using a simulated radar display. ADA044558/5GI
- 77-19 Smith, P. W., Robinson, C. P., Zelenski, J. D., and Endecott, B. R: The role of monamine oxidase inhibition in the acute toxicity of chlordimeform. ADA045507/1GI
- 77-20 Dille, J. R., and Booze, C. F: The 1975 accident experience of civilian pilots with static physical defects. ADA045429/8GI
- 77-21 Smith, R. C., and Hutto, G. L: Job attitudes of airway facilities personnel. ADA04641/3GI
- 77-22 Revzin, A. M: Functional localization in the nucleus rotundus. ADA047717/4GI
- 77-23 Melton, C. E., Smith, R. C., McKenzie, J. M., Wicks, S. M., and Saldivar, J. T: Stress in air traffic personnel: Low-density towers and flight service stations. ADA046826/4GI
- 77-24 Collins, W. E., Hasbrook, A. H., Lennon, A. O., and Gay, D. J: Disorientation training in FAA-certificated flight and ground schools: a survey. ADA047718/2GI
- 77-25 Dailey, J. T., and Pickrel, E. W: Development of new selection tests for air traffic controllers. ADA049049/0GI
- 1978**
- 78-1 McFadden, E. B. (Ed.): Flotation and survival equipment studies. ADA051869/GGI
- 78-2 Revzin, A. M: Effects of ethanol on visual unit activity in the thalamus. ADA05092/4GI
- 78-3 Pollard, D. W., Garner, J. D., Blethrow, J. G., and Lowrey, D. L: Passenger flow rates between compartments: Straight-segmented stairways, spiral stairways, and passageways with restricted vision and changes of attitude. ADA05148/1GI
- 78-4 deSteiguer, D., Pinski, M. S., Bannister, J. R., and McFadden, E. B: Aircrew and passenger protective breathing equipment studies. ADA05100/4GI

Part I: Chronological Index

- 78-5 Higgins, E. A., Lategola, M. T., and Melton, C. E: Three reports relevant to stress in aviation personnel. ADA051690/GGI
- 78-6 Chandler, R. F., and Trout, E. M: Evaluation of seating and restraint systems and anthropomorphic dummies conducted during fiscal year 1976. ADA051691/4GI
- 78-7 Lewis, M. A: Use of the occupational knowledge test to assign extra credit in selection of air traffic controllers. ADA05367/5GI
- 78-8 Friedberg, W., Neas, B. R., Faulkner, D. N., Hanneman, G. D., and Darden, E. B., Jr: Radiobiological aspects of high altitude flight: Relative biological effectiveness of fast neutrons in suppressing immune capacity to an infective agent. ADA05320/4GI
- 78-9 McFadden, E. B: Human respiratory considerations for civil transport aircraft system. ADA053223/4GI
- 78-10 Boone, J. O: The relationship of predevelopmental "150" training with noncompetitively selected air traffic control trainees to FAA Academy success. ADA055009/5GI
- 78-11 Thackray, R. I., Touchstone, R. M., and Bailey, J. P: A comparison of the vigilance performance of men and women using a simulated radar task. ADA053674/8GI
- 78-12 Chandler, R. F., and Trout, E. M: Child restraint systems for civil aircraft. ADA053565/8GI
- 78-13 Kirkham, W. R., Collins, W. E., Grape, P. M., Simpson, J. M., and Wallace, T. F: Spatial disorientation in general aviation accidents. ADA053230/9GI
- 78-14 Young, J. W., and Pinski, M. S: Three-dimensional anthropometry of the adult face. ADA054938/GGI
- 78-15 Mertens, H. W: Comparison of the visual perception of a runway model in pilots and nonpilots during simulated night landing approaches. ADA054450/2GI
- 78-16 Gerathewohl, S. J: Psychophysiological effects of aging: Developing a functional age index for pilots: II. Taxonomy of psychological factors. ADA054356/1GI
- 78-17 Rasmussen, P. G., Welsh, K. W., and Vaughan, J. A: Comparative readability of enroute low altitude charts with and without terrain depiction. ADA054796/8GI
- 78-18 Melton, C. E., McKenzie, J. M., Saldivar, J. T., and Wicks, S. M: Experimental attempts to evoke a differential response to different stressors. ADA054795/0GI
- 78-19 Higgins, E. A., Chiles, W. D., McKenzie, J. M., Jennings, A. E., Funkhouser, G. E., and Mullen, S. R: The effects of altitude and two decongestant-antihistamine preparations on physiological functions and performance. ADA054793/5GI
- 78-20 Lategola, M. T., Davis, A. W., Jr., Lyne, P. J., and Burr, M. J: Cardiorespiratory assessment of decongestant-antihistamine effects on altitude, +Gz, and fatigue tolerances. ADA055089/7GI
- 78-21 Booze, C. F: The morbidity experience of air traffic control personnel, 1967-1977. ADA056053/2GI
- 78-22 Welsh, K. W., Vaughan, J. A., and Rasmussen, P. G: Aeromedical implications of the X-Chrom lens for improving color vision deficiencies. ADA054794/3GI
- 78-23 Garner, J. D., Chandler, R. F., and Cook, E. A: GPSS computer simulation of aircraft passenger emergency evacuations. ADA056098/7GI

-
- 78-24 Chandler, R. F., and Trout, E. M: Evaluation of seating and restraint systems and anthropomorphic dummies conducted during fiscal year 1977. ADA056905/3GI
- 78-25 Dark, S. J., and Davis, A. W., Jr: Characteristics of medically disqualified airman applicants in calendar years 1975 and 1976. ADA058158/7GI
- 78-26 Robinson, C. P., Beiergrohslin, D., Smith, P. W., and Crane, C. R: Reactions of methamidophos with mammalian cholinesterases. ADA058683/4GI
- 78-27 Gerathewohl, S. J: Psychophysiological effects of aging: Developing a functional age index for pilots: III. Measurement of pilot performance. ADA062501/2GA
- 78-28 Welsh, K. W., Rasmussen, P. G., and Vaughan, J. A: Visual performance assessment through clear and sunscreen-treated windows. ADA059750/0GA
- 78-29 Welsh, K. W., Vaughan, J. A., and Rasmussen, P. G: Conspicuity assessment of selected propeller and tail rotor paint schemes. ADA061875/1GA
- 78-30 McKenzie, J. M: Assessment of factors possibly contributing to the susceptibility of sickle trait erythrocytes to mild hypoxia. ADA056200/9GI
- 78-31 Lacefield, D. J., Roberts, P. A., and Blossom, C. W: Agricultural aviation versus other general aviation: Toxicological findings in fatal accidents. ADA060110/4GA
- 78-32 Smith, R. C: As evaluation of four MTS recurrent training courses. ADA061519/5GA
- 78-33 Chiles, W. D., and Jennings, A. E: Time-sharing ability in complex performance: An expanded replication. ADA061879/3GA
- 78-34 Chiles, W. D., Jennings, A. E., and Alluisi, E. A: The measurement and scaling of workload in complex performance. ADA061725/8GA
- 78-35 Reighard, H. L., and Dailey, J. T: Task force deterrence of air piracy—final report. ADA076457/1
- 78-36 Boone, J. O., and Lewis, M. A: The development of the ATC selection battery: A new procedure to make maximum use of available information when correcting correlations for restriction in range due to selection. ADA066131/2GA
- 78-37 Jennings, A. E: A method to evaluate performance reliability of individual subjects in laboratory research applied to work settings. ADA063731/4GA
- 78-38 Eighth Bethesda Conference of the American College of Cardiology, Washington, D.C., April 25-26, 1975: Cardiovascular problems associated with aviation safety. ADA066184/3GA
- 78-39 Rose, R. M., Jenkins, C. D., and Hurst, M. W: Air traffic controller health change study. Boston University School of Medicine. ADA063709/0GA
- 78-40 Melton, C. E., McKenzie, J. M., Wicks, S. M., and Saldivar, J. T: Stress in air traffic controllers: A restudy of 32 controllers 5 to 9 years later. ADA065767/6GA
- 78-41 Vaughan, J. A., Welsh, K. W., and Rasmussen, P. G: The optical properties of smoke-protective devices. ADA064678/6GA

1979

- 79-1 Index to FAA Office of Aviation Medicine Reports: 1961 through 1978. ADA067983/7GA
- 79-2 Snow, C. C., Hartman, S., Giles, E., and Young, F. A: Sex and race determination of crania by calipers and computer: A test of the Giles and Elliot discriminant functions in 52 forensic cases. ADA065448/36A
- 79-3 Lewis, M. A: A comparison of three models for determining test fairness. ADA066586/9GA
- 79-4 Lewis, M. F., and Mertens, H. W: Pilot performance during simulated approaches and landings made with various computer-generated visual glidepath indicators. ADA066220/5GA
- 79-5 Tobias, J. V., and Kidd, G. D., Jr: Accoustic signals for emergency evacuation. ADA066113/2.A
- 79-6 Pollard, D. W: Injuries in air transport emergency evacuations. ADA069372/1GA
- 79-7 Collins, W. E., and Chiles, W. D: Laboratory performance during acute intoxication and hangover. ADA069373/9GA
- 79-8 Lategola, M. T., and Trent, C. C: A lower body negative pressure box for +Gz simulation in the upright seated position. ADA069326/7GA
- 79-9 Schroeder, D. J., and Collins, W. E: Effects of congener and noncongener alcoholic beverages on a clinical ataxia battery. ADA069375/4GA
- 79-10 Higgins, E. A., McKenzie, J. M., Funkhouser, G. E., and Mullen, S. R: Effects of propranolol on time of useful function (TUF) in rats. ADA068535/4GA
- 79-11 Smith, R. C: A comparison of the job attitudes and interest patterns of air traffic and airway facility personnel. ADA067826/8GA
- 79-12 Thackray, R. I., and Touchstone, R. M: Visual search performance during simulated radar observation with and without a sweepline. ADA068020/7GA
- 79-13 McFadden, E. B. (Ed.): Oxygen equipment and rapid decompression studies. ADA070285/2GA
- 79-14 Boone, J. O., and Lewis, M. A: The selection of air traffic control specialists: Two studies demonstrating methods to insure an accurate validity coefficient for selection devices. ADA068581/8GA
- 79-15 Revzin, A. M: Development of electrophysiological indices of neurological toxicity for organophosphate pesticides and depressant drugs. ADA070299/3GA
- 79-16 Tobias, J. V: Interstimulus interval as it affects temporary threshold shift in serial presentations of loud tones. ADA072006/0GA
- 79-17 Chandler, R. F., and Trout, E. M: Evaluation of seating and restraint systems conducted during fiscal year 1978. ADA074881/4
- 79-18 Pickrel, E. W: Performance standards for pass-fail determinations in the national air traffic flight service station training program. ADA081066/3
- 79-19 Dille, J. R., and Booze, C. F: The 1976 accident experience of civilian pilots with static physical defects. ADA07718919

- 79-20 Higgins, E. A., Lategola, M. T., McKenzie, J. M., Melton, C. E., and Vaughan, J. A: Effects of ozone on exercising and sedentary adult men and women representative of the flight attendant population. ADA080045/8
- 79-21 Boone, J. O: Toward the development of a new selection battery for air traffic control specialists. ADA080065/6
- 79-22 Rasmussen, P. G., Garner, J. D., Blethrow, J. G., and Lowrey, D. L: Readability of self-illuminated signs in a smoke-obscured environment. ADA081260/2
- 79-23 Pollard, D. W., Anderson, J. A., and Melton, R. J: A description of the Civil Aeromedical Institute airline cabin safety data bank: 1970-1976. ADA081155/4
- 79-24 Thackray, R. I., and Touchstone, R. M: Effects of noise exposure on performance of a simulated radar task. ADA081065/5
- 79-25 Mertens, H. W: Runway image as a cue for judgment of approach angle. ADA080929/3
- 79-26 Collins, W. E: Performance effects of alcohol intoxication and hangover at ground level and at simulated altitude. ADA079439/6
- 1980**
- 80-1 Thackray, R. I: Boredom and monotony as a consequence of automation: A consideration of the evidence relating boredom and monotony to stress. ADA085069/3
- 80-2 Friedberg, W., and Neas, B. R. (Eds.): Cosmic radiation exposure during air travel. ADA084801/0
- 80-3 Kirkham, W. R., Simpson, J. M., Wallace, T. F., and Grape, P. M: Aircraft crashworthiness studies: Findings in accidents involving an aerial application aircraft. ADA084619/6
- 80-4 Ryan, L. C., and Mohler, S. R: The current role of alcohol as a factor in civil aircraft accidents. ADA086261/5
- 80-5 Boone, J. O., Steen, J. A., and VanBuskirk, L. K: System performance, error rates, and training time for recent FAA Academy nonradar graduates, community persons, and handicapped persons on the radar training facility pilot position. ADA087661/5
- 80-6 Kirkham, W. R: Medical and toxicological factors in aircraft accidents. ADA087690/4
- 80-7 Collins, W. E., Boone, J. O., and VanDeventer, A. D. (Eds.): The selection of air traffic control specialists: I. History and review of contributions by the Civil Aeromedical Institute. ADA087655/7
- 80-8 Booze, C. F., Pidkowicz, J. K., Davis, A. W., and Bolding, F. A: Postmortem coronary atherosclerosis findings in general aviation accident pilot fatalities: 1975-1977. ADA089428/7
- 80-9 Higgins, E. A., Lategola, M. T., Melton, C. E., and Vaughan, J. A: Effects of ozone (0.30 parts per million, ~600 ug/m³) on sedentary men representative of airline passengers and cockpit crewmembers. ADA092268/2
- 80-10 McKenzie, J. M., Higgins, E. A., Funkhouser, G. E., Moses, R., Fowler, P. R., and Wicks, S. M: Changes in the oxygen-hemoglobin dissociation curve and time of useful function at hypobaric pressures in rats after chronic oral administration of propranolol. ADA089139/0
- 80-11 Dille, J. R., and Linder, M. K: The effects of tobacco on aviation safety. ADA091510/8
- 80-12 Chandler, R. F., Garner, J. D., Lowrey, D. L., Blethrow, J. G., and Anderson, J. A: Considerations relative to the use of canes by blind travelers in air carrier aircraft cabins. ADA092528/9

Part I: Chronological Index

- 80-13 Rasmussen, P. G., Chesterfield, B. P., and Lowrey, D. L: Readability of self-illuminated signs obscured by black fuel-fire smoke. ADA092529/7
- 80-14 Smith, R. C: Stress, anxiety, and the air traffic control specialist: Some conclusions from a decade of research. ADA093266/5
- 80-15 Boone, J. O., Van Buskirk L., and Steen, J. A: The Federal Aviation Administration's radar training facility and employee selection and training. ADA093027/1
- 80-16 Melton, C. E: Effects of long-term exposure to low levels of ozone: A review. ADA094426/4
- 80-17 Thackray, R. I., and Touchstone, R. M: An exploratory investigation of various assessment instruments as correlates of complex visual monitoring performance. ADA097276/0
- 80-18 deSteiguer, D., and Saldivar, J. T: Evaluation of the protective efficiency of a new oxygen mask for aircraft passenger use to 40,000 feet. ADA097046/7
- 80-19 Dark, S.J: Characteristics of medically disqualified airman applicants in calendar years 1977 and 1978. ADA098766/9
- 80-20 McKenzie, J.M: Vocational options for those with sickle cell trait: Questions about hypoxemia and the industrial environment. ADA098706/5
- 1981**
- 81-1 Dille, J. R., and Haraway, A: Index to FAA Office of Aviation Medicine Reports: 1961 through 1980. ADA106227/2
- 81-2 Lategola, M. T., Lyne, P. J., and Burr, M. J: Cardiorespiratory assessment of 24-hour crash-diet effects on altitude, +Gz, and fatigue tolerances. ADA106379/1
- 81-3 Federal Aviation Administration Contract DOT-FA-77WA-4076: Neurological and neurosurgical conditions associated with aviation safety. ADA098697/6
- 81-4 Simpson, L. P., and Goulden, D. R: Aviation medicine translations: Annotated bibliography of recently translated material. X. ADA098916/0
- 81-5 Hutto, G. L., Smith, R. C., and Thackray, R. I: Methodology in the assessment of stress among air traffic control specialists (ATCS): Normative adult data for the State-Trait Anxiety Inventory from non-ATCS populations. ADA103192/1
- 81-6 Mertens, H. W., and Lewis, M. F: Effect of different runway size on pilot performance during simulated night landing approaches. ADA103190/5
- 81-7 Chesterfield, B. P., Rasmussen, P. G., and Dillon, R. D: Emergency cabin lighting installations: An analysis of ceiling-vs. lower-cabinmounted lighting during evacuation trials. ADA103191/3
- 81-8 Higgins, E. A., Mertens, H. M., McKenzie, J. W., and Funkhouser, G. E: Physiological, biochemical, and performance responses to a 24-hour crash diet. ADA103143/4
- 81-9 Booze, C. F., Jr: Prevalence of selected pathology among currently certified active airman. ADA103397/6
- 81-10 Kirkham, W. R: Improving the crashworthiness of general aviation aircraft by crash injury investigations. ADA103316/6
- 81-11 Hanneman, G. D: Factors related to the welfare of animals during transport by commercial aircraft. ADA106226/4

- 81-12 Thackray, R. I., and Touchstone, R. M: Age-related differences in complex monitoring performance. ADA106225/6
- 81-13 Melton, C. E., McKenzie, J. M., Wicks, S. M., and Saldivar, J. T: Fatigue in flight inspection field office (FIFO) flight crews. ADA106791/7
- 81-14 Dille, J. R., and Booze, C. F., Jr: The prevalence of visual deficiencies among 1979 general aviation accident airmen. ADA106489/8
- 81-15 Collins, W. E., Mastrullo, A. R., Kirkham, W. R., Taylor, D. K., and Grape, P. M: An analysis of civil aviation propeller-to-person accidents: 1965-1979. ADA105365/1
- 81-16 Collins, W. E., Schroeder, D. J., and Elam, G. W: A comparison of some effects of three antmotion sickness drugs on nystagmic responses to angular accelerations and to optokinetic stimuli. ADA107947/4
- 1982
- 82-1 Thackray, R. I., and Touchstone, R. M: Performance of air traffic control specialists (ATCS's) on a laboratory radar monitoring task: An exploratory study of complacency and a comparison of ATCS and non-ATCS performance. ADA118239/3
- 82-2 Boone, J. O: A generic model for evaluation of the Federal Aviation Administration air traffic control specialist training programs. ADA106379/1
- 82-3 Lategola, M. T., Lyne, P. J., and Burr, M. J: Alcohol-induced physiological displacements and their effects on flight-related functions. ADA115473/1
- 82-4 Lategola, M. T., Lyne, P. J., and Burr, M. J: Effects of prior physical exertion on tolerance to hypoxia, orthostatic stress, and physical fatigue. ADA114741/2
- 82-5 Lategola, M. T., and Flux, M: Evaluation of cardiopulmonary factors critical to successful emergency perinatal air transport. ADA114743/8
- 82-6 Mertens, H. W., and Lewis, M. F: Effects of approach lighting and variation in visible runway length on perception of approach angle in simulated night landings. ADA114742/0
- 82-7 Kirkham, W. R., Wicks, S. M., and Lowrey, D. L: Crashworthiness studies: Cabin, seat, restraint, and injury findings in selected general aviation accidents. ADA114878/2
- 82-8 Pollard, D. W., Folk, E. D., and Chandler, R. F: Flight attendant injuries: 1971-1976. ADA114909/5
- 82-9 Reynolds, H. M., Snow, C. C., and Young, J. W: Spatial geometry of the human pelvis. ADA118238/5
- 82-10 Higgins, E. A., Mertens, H. W., McKenzie, J. M., Funkhouser, G. E., White, M. A., and Milburn, N. J: The effects of physical fatigue and altitude on physiological, biochemical, and performance responses. ADA122796/6
- 82-11 Rock, D. B., Dailey, J. T., Ozur, H., Boone, J. O., and Pickrel, E. W: Selection of applicants for the air traffic controller occupation. ADA122795/8
- 82-12 Friedberg, W., Faulkner, D. N., and Snyder, L: Transport index limits for shipments of radioactive material in passenger-carrying aircraft. ADA122794/1
- 82-13 Kirkham, W. R., Wicks, S. M., Lowrey, D. L: G incapacitation in aerobatic pilots: A flight hazard. ADA123757/7
- 82-14 Norwood, G., and Jordan, J. L: Regulatory aviation medicine: Its philosophies and limitations. ADA124043/1

Part I: Chronological Index

- 82-15 Lacefield, D. J., Roberts, P. A., and Grape, P. M: Carbon monoxide in-flight incapacitation: An occasional toxic problem in aviation. ADA123849/2
- 82-16 Thackray, R. I., and Touchstone, R. M: Performance of 40- to 50-year- old subjects on a radar monitoring task: The effects of wearing bifocal glasses and interpolated rest periods on target detection time. ADA123843/5
- 82-17 Melton, C. E: Physiological stress in air traffic controllers: A review. ADA123853/4
- 82-18 Boone, J. O: Functional aging in pilots: An examination of a mathematical model based on medical data on general aviation pilots. ADA123756/9
- 82-19 Schroeder, D. J., Collins, W. E., and Elam, G. W: Effects of some motion sickness suppressants on tracking performance during angular accelerations. ADA123839/3

1983

- 83-1 Dille, J. R., and Haraway, A: Index to FAA Office of Aviation Medicine Reports: 1961 through 1982. ADA127463/8
- 83-2 McKenzie, J. M., Higgins, E. A., Fowler, P. R., Funkhouser, G. E., White, M. A., and Moser, E: Sensitivity of some tests for alcohol abuse: Findings in nonalcoholics recovering from intoxication. ADA126138/7
- 83-3 Coltman, J. W: Design and test criteria for increased energy-absorbing seat effectiveness. ADA1280125/5
- 83-4 Mertens, H. W., McKenzie, J. M., and Higgins, E. A: Some effects of smoking withdrawal on complex performance and physiological responses. ADA126551/1
- 83-5 Dark, S. J: Characteristics of medically disqualified airline pilots. ADA127429/9
- 83-6 VanDeventer, A. D., Taylor, D. K., Collins, W. E., and Boone, J. O: Three studies of biographical factors associated with success in air traffic control specialist screening/training at the FAA Academy. ADA128784/6
- 83-7 Schroeder, D. J., and Deloney, J. R: Job attitudes toward the new maintenance concept of the Airway Facilities Service. ADA133282/4
- 83-8 Kirkham, W. R., Wicks, S. M., and Lowrey, D. L: Crashworthiness: An illustrated commentary on occupant survival in general aviation accidents. ADA130198/5
- 83-9 Boone, J. O: Radar Training Facility initial validation. ADA133220/4
- 83-10 deSteiguer, D., and Saldivar, J. T: An analysis of potential breathing devices intended for use by aircraft passengers. ADA132648/7
- 83-11 Pickrel, E. W., and Convey, J. J: Color perception and ATC job performance. ADA132649/5
- 83-12 Crane, C. R., Sanders, D. C., Endecott, B. R., and Abbott, J. K: Inhalation toxicology: III. Evaluation of thermal degradation products from aircraft and automobile engine oils, aircraft hydraulic fluid, and mineral oil. ADA133221/2
- 83-13 Thackray, R. I., and Touchstone, R. M: Rate of initial recovery and subsequent radar monitoring performance following a simulated emergency involving startle. ADA133602/3
- 83-14 deSteiguer, D., Saldivar, J. T., Higgins, E. A., and Funkhouser, G. E: The objective evaluation of aircrew protective breathing equipment: V. Mask/goggles combinations for female crewmembers. ADA134912

- 83-15 Mertens, H. W., Higgins, E. A., and McKenzie, J. M: Age, altitude, and workload effects on complex performance. ADA133594/2
- 83-16 Young, J. W., Chandler, R. F., Snow, C. C., Robinette, K. M., Zehner, G. F., and Lofberg, M. S: Anthropometric and mass distribution characteristics of the adult female. ADA135316
- 83-17 Schroeder, D. J., and Goulden, D. R: A bibliography of shift work research: 1950-1982. ADA135644
- 83-18 Dille, J. R., and Booze, C. F., Jr: The 1980 and 1981 accident experience of civil airmen with selected visual pathology. ADA134898

1984

- 84-1 Pollard, D. W., Steen, J. A., Biron, W. J., and Cremer, R. L: Cabin safety subject index. ADA140409
- 84-2 Sells, S. B., Dailey, J. T., and Pickrel, E. W: Selection of air traffic controllers. ADA147765
- 84-3 Booze, C. F., Jr., and Simcox, L. S: Blood pressure levels of active pilots compared with those of air traffic controllers. ADA146645
- 84-4 Lategola, M. T., Davis, A. W., Jr., Gilcher, R. O., Lyne, P. J., and Burr, M. J: Aviation-related cardiorespiratory effects of blood donation in female private pilots. ADA148045
- 84-5 Hanneman, G. D., and Sershon, J. L: Tolerance endpoint for evaluating the effects of heat stress in dogs. ADA148104
- 84-6 VanDeventer, A. D., Collins, W. E., Manning, C. A., Taylor, D. K., and Baxter, N. E: Studies of poststrike air traffic control specialist trainees: I. Age, biographic factors, and selection test performance related to Academy training success. ADA147892
- 84-7 Dille, J. R., and Harris, H. L: Efforts to improve aviation medical examiner performance through continuing medical education and annual performance reports. ADA148078
- 84-8 Booze, C. F., Jr: Health examination findings among active civil airmen. ADA148325
- 84-9 Dark, S. J: Medically disqualified airline pilots. ADA149454

1985

- 85-1 Pollard, D. W., Steen, J. A., and Penland, T: Federal Aviation Regulations Part 135 cabin safety subject index. ADA156946
- 85-2 Melton, C. E: Physiological responses to unvarying (steady) and 2-2-1 shifts: Miami International Flight Service Station. ADA155751
- 85-3 Mertens, H. W., and Collins, W. E: The effects of age, sleep deprivation, and altitude on complex performance. ADA156987
- 85-4 Crane, C. R., Sanders, D. C., Endecott, B. R., and Abbott, J. K: Inhalation toxicology: IV. Times to incapacitation and death for rats exposed continuously to atmospheric hydrogen chloride gas. ADA157400
- 85-5 Collins, W. E., Mertens, H. W., and Higgins, E. A: Some effects of alcohol and simulated altitude on complex performance scores and Breathalyzer readings. ADA158925

Part I: Chronological Index

- 85-6 Booze, C. F., Jr., and Staggs, C. M: A comparison of postmortem coronary atherosclerosis findings in general aviation pilot fatalities. ADA159811
- 85-7 Convey, J.J: Passing scores for the FAA ATCS color vision test. ADA160889
- 85-8 Lacefield, D.J., Roberts, P.A., and Grape, P.M: Drugs of abuse in aviation fatalities: 1. Marijuana. ADA161911
- 85-9 Dark, S.J: Characteristics of medically disqualified airman applicants in calendar years 1982 and 1983. ADA162209
- 85-10 Higgins, E.A., Saldivar, J.T., Lyne, P.J., and Funkhouser, G.E: Evaluation of a passenger mask modified with a rebreather bag for protection from smoke and fumes. ADA162473
- 85-11 Rueschhoff, B.J., Higgins, E.A., Burr, M.J., and Branson, D.M: Development and evaluation of a prototype life preserver. ADA163224
- 85-12 Russell, J.C., and Davis, A.W: Alcohol rehabilitation of airline pilots. ADA163076
- 85-13 Thackray, R.I., and Touchstone, R.M: The effect of visual taskload on critical flicker frequency (CFF) change during performance of a complex monitoring task. ADA163673

1986

- 86-1 Sanders, D.C., Crane, C.R., and Endecott, B.R: Inhalation toxicology: V. Evaluation of relative toxicity to rats of thermal decomposition products from two aircraft seat fire-blocking materials. ADA165034
- 86-2 Melton, C.E., and Bartanowicz, R.S: Biological rhythms and rotating shift work: Some considerations for air traffic controllers and managers. ADA168742
- 86-3 Crane, C.R., Sanders, D.C., Endecott, B.R., and Abbott, J.K: Inhalation toxicology: VI. Evaluation of the relative toxicity of thermal decomposition products from nine aircraft panel materials, ADA168250
- 86-4 Thackray, R.I., and Touchstone, R.M: Complex monitoring performance and the coronary-prone Type A behavior pattern. ADA168240
- 86-5 Crane, C.R., Sanders, D.C., Endecott, B.R., and Abbott, J.K: Inhalation toxicology: VII. Times to incapacitation and death for rats exposed continuously to atmospheric acrolein vapor.
- 86-6 Convey, J.J: The Flight Service Station Training Program: 1981-1985. ADA171485
- 86-7 Dark, S.J: Medically disqualified airline pilots. ADA173244
- 86-8 Crane, C.R., and Sanders, D.C: Inhalation toxicology: VIII. Establishing heat tolerance limits for rats and mice subjected to acute exposures at elevated air temperatures. ADA173031
- 86-9 Collins, W.E: Effects of sleep loss on vestibular responses during simple and complex vestibular stimulation. ADA173292

1987

- 87-1 Dille, J.R., and Grimm, M.H: Index to FAA Office of Aviation Medicine Reports: 1961 through 1986. ADA180281
- 87-2 Higgins, E.A., Saldivar, J.T., Lyne, P.J., and Funkhouser, G.E: A study of passenger workload as related to protective breathing requirements. ADA181089

- 87-3 Hanneman, G.D., and Sershon, J.L: Tolerance by unacclimated Beagle dogs to freezing and subfreezing temperatures. ADA181304
- 87-4 Schroeder, D.J., Collins, W.E., and Dollar, C.S: 1986 survey of aviation business operators: Their views of FAA airworthiness inspectors. ADA181369
- 87-5 Higgins, E.A: Summary report of the history and events pertinent to the Civil Aeromedical Institute's evaluation of providing smoke/fume protective breathing equipment for airline passenger use. ADA184499
- 87-6 Diehl, A.E., and Lester, L.F: Private pilot judgment training in flight school settings. ADA188408
- 87-7 Booze, C.F., Jr: Sudden in-flight incapacitation in general aviation. ADA187044
- 87-8 Hanneman, G.D., and Sershon, J.L: A temperature/humidity tolerance index for transporting Beagle dogs in hot weather. ADA190948
- 1988**
- 88-1 Thackray, R. I. , and Touchstone, R. M: An evaluation of the effects of high visual taskload on the separate behaviors involved in complex monitoring performance. ADA190641
- 88-2 Collins, W. E., and Mertens, H. W: Age, alcohol, and simulated altitude: Effects on performance and breathalyzer scores. ADA190642
- 88-3 Manning, C. A., Kegg, P. S., and Collins, W. E: Studies of poststrike air traffic control specialist trainees: II. Selection and Screening. ADA199177
- 88-4 Thackray, R. I: Performance recovery following startle: a laboratory approach to the study of behavioral response to sudden aircraft emergencies. ADA199827
- 88-5 Clough, D. L: Airway science curriculum demonstration project: Summary of initial evaluation findings. ADA201995
- 1989**
- 89-1 Thackray, R. I., and Touchstone, R. M: A comparison of detection efficiency on an air traffic control monitoring task with and without computer aiding. ADA206422
- 89-2 Booze, C. F., Jr: Prevalence of disease among active civil airmen. ADA206050
- 89-3 Colangelo, E. J., and Russell, J. C: Injuries to seat occupants of light airplanes. ADA207579
- 89-4 Crane, C. R., Sanders, D. C., and Endecott, B. R: Inhalation toxicology: IX. Times-to-incapacitation for rats exposed to carbon monoxide alone, to hydrogen cyanide alone, and to mixtures of carbon monoxide and hydrogen cyanide. ADA208195
- 89-5 Higgins, E. A., and Vant, J. H. B: Operation Workload - A study of passenger energy expenditure during an emergency evacuation. ADA209234
- 89-6 Manning, C. A., Della Rocco, P. S., and Bryant, K. D: Prediction of success in FAA air traffic control field training as a function of selection and screening test performance. ADA209327
- 89-7 Collins, W. E., Schroeder, D. J., and Nye, L. G: Relationships of anxiety scores to Academy and field training performance of air traffic control specialists. ADA209326

Part I: Chronological Index

- 89-8 Higgins, E. A., McLean, G. A., Lyne, P. J., Funkhouser, G. E., and Young, J. W: Performance evaluation of the Puritan-Bennett crewmember portable protective breathing device as prescribed by portions of FAA Action Notice A-8150.2. ADA210882
- 89-9 Shepherd, W. T., and Parker, J. F., Jr: Human factors issues in aircraft maintenance and inspection. ADA215 724
- 89-10 Schlegel, T. T., Higgins, E. A., McLean, G. A., Lyne, P. J., England, H. M., and Atocknie, P. A: Comparison of protective breathing equipment performance at ground level and 8,000 feet altitude using parameters prescribed by portions of FAA Action Notice A-8150.2. ADA212852
- 89-11 Higgins, E. A., McLean, G. A., Lyne, P. J., Funkhouser, G. E., and Young, J. W: Evaluation of the Scott Aviation portable protective breathing device for contaminant leakage as prescribed by FAA Action Notice A-8150.2. ADA216799
- 89-12 McLean, G. A., Higgins, E. A., and Lyne, P. J: The effects of wearing passenger protective breathing equipment on evacuation times through type III and type IV emergency aircraft exits in clear air and smoke. ADA216798
- 89-13 Melton, C. E: Airliner cabin ozone: an updated review. ADA233156.
- 89-14 Rasmussen, P. B., and Chittum, C. G: The influence of adjacent seating configurations on egress through a type III emergency exit. ADA218393
- 1990**
- 90-1 Collins, W.E., Wayda, M.E., and Baxter, N.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1989. AD-221414
- 90-2 Myers, J.G: Management assessment: implications for development and training. ADA219178
- 90-3 Thackray, R.I., and Touchstone, R. M: Effects of monitoring under high and low taskload on detection of flashing and colored radar targets. ADA220313
- 90-4 Collins, W.E., Nye, L.G., and Manning, C.A: Studies of poststrike air traffic control specialist trainees: III. Changes in demographic characteristics of Academy entrants and biodemographic predictors of success in air traffic controller selection and Academy screening. ADA223480
- 90-5 Downey, L.E., and Dark, S.J: Medically disqualified airline pilots in calendar years 1987 and 1988. ADA224512
- 90-6 Manning, C.A., and Schroeder, D.J: Pilot views of Montgomery County, Texas automated FSS services. ADA227484
- 90-7 Hudson, L.S., Booze, C.F. Jr., and Davis, A.W: Right bundle branch block as a risk factor for subsequent cardiac events. ADA226596
- 90-8 Schroeder, D.J., Dollar, C.S., and Nye, L.G: Correlates of two experimental tests with performance in the FAA Academy air traffic control nonradar screen program. ADA226419
- 90-9 Mertens, H.W: Evaluation of functional color vision requirements and current color vision screening tests for air traffic control specialists. ADA227436
- 90-10 Nakagawara, V.B: The use of contact lenses in the civil airman population. ADA227450
- 90-11 Gowdy, V: Development of a crashworthy seat for commuter aircraft. ADA227486
- 90-12 Valdez, C.D: The FAA altitude chamber training flight profile: A survey of altitude reactions — 1965-1989. ADA230057

- 90-13 Della Rocco, P.S., and Manning, C.A: Selection of air traffic controllers for automated systems: applications from current research. ADA230058
- 90-14 Parker, J.F. Jr., and Shepherd, W.T., Co-editors: Second Federal Aviation Administration meeting on human factors issues in aircraft maintenance and inspection: Information exchange and communications. ADA230270
- 90-15 Crane, C.R., Sanders, D.C., and Endecott, B.R: Inhalation toxicology: X. Times to incapacitation for rats exposed continuously to carbon monoxide, acrolein, and to carbon monoxide-acrolein mixtures. ADA230639
- 90-16 Sanders, D.C., and Endecott, B.R: Inhalation toxicology: XI. The effect of elevated temperature on carbon monoxide toxicity. ADA231185

1991

- 91-1 Nakagawara, V.B: The effect of simulated altitude on the visual fields of glaucoma patients and the elderly. ADA233167
- 91-2 Hordinsky, J.R., and George, M.H: Utilization of emergency medical kits by air carriers. ADA234784
- 91-3 Hordinsky, J.R., and George, M.H: Response capability during civil air carrier inflight medical emergencies. ADA235526
- 91-4 Broach, D: Flight service specialist initial qualifications course: Content validation of FAA Academy course 50232. ADA237126
- 91-5 Myers, J. G., and Stutzman, T.M: Job task-competency linkages for FAA first-level supervisors. ADA236695
- 91-6 Funkhouser, G.E., and Fairlie, G.W: Donning times and flotation characteristics of infant life preservers: Four representative types. ADA237120
- 91-7 Turner, J.W., and Huntley, M. S. Jr: The use and design of flightcrew checklists and manuals. ADA237206
- 91-8 Nye, L.G., and Collins, W.E: Some personality characteristics of air traffic control specialist trainees: Interactions of personality and aptitude test scores with FAA Academy success and career expectations. ADA238027
- 91-9 Wing, H., and Manning, C.A: Selection of air traffic controllers: Complexity, requirements, and public interest. ADA238267
- 91-10 Witt, L. A., and Myers, J.G: Two studies on participation in decision-making and equity among FAA personnel. ADA239907
- 91-11 Witt, L. A., and Broach, D: Exchange ideology as a moderator of the procedural justice-satisfaction relationship. ADA239908
- 91-12 McLean, G.A, Wilcox, B.C., and Canfield, D.V: Selection criteria for alcohol detection methods. ADA240441
- 91-13 Turner, J.W., and Huntley, M. S. Jr: Civilian training in high-altitude flight physiology. ADA241296
- 91-14 Nakagawara, V.B., Loochan, F.K., and Wood, K.J: The prevalence of aphakia in the civil airman population. ADA214032
- 91-15 Witt, L. A., and Hellman, C.M: Cross-level inferences of job satisfaction in the prediction of intent to leave. ADA242779
- 91-16 Shepherd, W.B., Johnson, W.B., Druray, C.G., Taylor, J.C., and Berninger, D: Human factors in aviation maintenance. Phase 1: Progress report. ADA243844

Part I: Chronological Index

- 91-17 Sanders, D.C., Endecott, B.S., and Chaturvedi, A.K: Inhalation toxicology: XII. Comparison of toxicity rankings of six polymers in lethality and by incapacitation in rats. ADA244599
- 91-18 Broach, D: Air traffic control specialists in the Airway Science Curriculum Demonstration Project 1984-1990: Third summative evaluation. ADA244128
- 1992
- 92-1 Collins, W.E., and Wayda, M.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1991. ADA245509
- 92-2 Friedberg, W., Snyder, L., and Faulkner, D.N: Radiation exposure of air carrier crewmembers II. ADA245508
- 92-3 Thackray, R.I: Human factors evaluation of the work environment of operators engaged in the inspection and repair of aging aircraft. ADA246445
- 92-4 May, N.D: Exposures from headset interference tones. ADA247175
- 92-5 Manning, C.A., and Aul, J.C: Evaluation of an alternative method for hiring air traffic control specialists with prior military experience. ADA246587
- 92-6 Mertens, H.W., Thackray, R.I., and Touchstone, M: Effects of color vision deficiency on detection of color-highlighted targets in a simulated air traffic control display. ADA246586
- 92-7 Nye, L.G., Witt, L.A., and Schroeder, D: Confirmatory factor analysis of burnout dimensions: Correlations with job stressors and aspects of social support and job satisfaction ADA247699
- 92-8 Witt, L.A., and Nye, L.G: Organizational goal congruence and job attitudes revisited. ADA247621
- 92-9 Witt, L.A., and Nye, L.G: Gender, equity, and job satisfaction. ADA246588
- 92-10 Nye, L.G., and Witt, L.A: Dimensionality and construct validity of the Perceptions of Organizational Politics Scale (POPS). ADA247620
- 92-11 O'Donnell, R.D., Hordinsky, J.R., Madakasira, S., Moise, S., and Warner, D: A candidate automated test battery for neuropsychological screening of airmen: Design and preliminary validation. ADA247701
- 92-12 Revzin, A.M., and Rasmussen, P.G: A new test of scanning and monitoring ability: Methods and initial results. ADA249123
- 92-13 Witt, L.A., and Hellman, C: Effects of subordinate feedback to the supervisor and participation in decision-making in the prediction of organizational support. ADA249125
- 92-14 Nakagawara, V.B., Loochan, F.K., and Wood, K.J: The prevalence of artificial lens implants in the civil airman population. ADA249125
- 92-15 Myers, J.G: Survey of aviation medical examiners: Information and attitudes about the pre-employment and pre-appointment drug testing program. ADA249124
- 92-16 Myers, J.G: A longitudinal examination of applicants to the air traffic supervisory identification and development program. ADA251879
- 92-17 Witt, L.A: Organizational politics, participation in decision-making, and job satisfaction. ADA251878
- 92-18 Wilcox, B.C., England, H.M. , Jr., and McLean, G.A: Inward contaminant leakage tests of the S-Tron Corporation emergency escape breathing device. ADA251888

- 92-19 Teague, S.M., and Hordinsky, J.R: Tolerance of beta blocked hypertensives during orthostatic and altitude stress. ADA249904
- 92-20 Gowdy, V., and DeWeese, R: Evaluation of head impact kinematics for passengers seated behind interior walls. ADA252651
- 92-21 Witt, L.A: Procedural justice, occupational identification, and organizational commitment. ADA252493
- 92-22 England, H.M., Jr., Wilcox, B.C., Jr., and McLean, G.A: Comparisons of molecular sieve oxygen concentrators for potential medical use aboard commercial aircraft. ADA253648
- 92-23 White, V.L., Canfield, D.V., and Hordinsky, J.R: The identification and quantitation of triamterene in blood and urine from a fatal aircraft accident. ADA254550
- 92-24 Canfield, D.V., Kupiec, T.C., and Huffine, E.F: Postmortem alcohol production in fatal aircraft accidents. ADA254680
- 92-25 Huffine, E.F., and Canfield, D.V: Enhancement of drug detection and identification by use of various derivatizing reagents on GC-FTIR analysis. ADA254679
- 92-26 Manning, C.A., and Broach, D: Identifying ability requirements for operators of future automated air traffic control systems. ADA256615
- 92-27 McLean, G.A., Chittum, C.B., Funkhouser, G.E., Fairlie, G.W., and Folk, E.W: Effects of seating configuration and number of type III exits on emergency aircraft evacuation. ADA255754
- 92-28 Mertens, H.W., and Milburn, N.J: Performance of color-dependent tasks of air traffic control specialists as a function of type and degree of color vision deficiency. ADA255794
- 92-29 Mertens, H.W., and Milburn, N.J: Validity of clinical color vision tests for air traffic control specialists. ADA258219
- 92-30 Della Rocco, P.S., Milburn, N., and Mertens, H: Comparison of performance on the Shipley Institute of Living scale, air traffic control specialist selection test, and FAA Academy screen. ADA259249
- 92-31 OU Vortac, Edwards, M.B., Jones, J.P., Manning, C.A., and Rotter, A.J: En route air traffic controllers' use of flight progress strips: A graph-theoretic analysis. ADA259062
- 1993**
- 93-1 Rodgers, M.D., and Drechsler, G.K: Conversion of the CTA, Inc., en route operations concepts database into a formal sentence outline job task taxonomy. ADA261921
- 93-2 Collins, W.E: A review of civil aviation propeller-to-person accidents: 1980-1989. ADA260695
- 93-3 Antuñano, M.J: Index of international publications in aerospace medicine. ADA262908
- 93-4 Schroeder, D.J., Broach, D., and Young, W.C: Contribution of personality to the prediction of success in initial air traffic control specialist training. ADA264699
- 93-5 Galaxy Scientific Corporation: Human factors in aviation maintenance - Phase Two progress report. ADA264367
- 93-6 Wilcox, B., Jr., McLean, G., and England, H., Jr: Comparison of portable crewmember protective breathing equipment (CPBE) designs. ADA265362

Part I: Chronological Index

- 93-7 Sanders, D.C., Endecott, B.R., Ritter, R.M., and Chaturvedi, A.K: Variations of time-to-incapacitation and carboxyhemoglobin values in rats exposed to two carbon monoxide concentrations. ADA266109
- 93-8 Chaturvedi, A.K., Endecott, B.R., Ritter, R.M., and Sanders, D.C: Variations in time-to-incapacitation and blood cyanide values for rats exposed to two hydrogen cyanide gas concentrations. ADA265924
- 93-9 Rodgers, M.D., and Blanchard, R.E: Accident proneness: A research review. ADA266032
- 93-10 Young, J.W: Head and face anthropometry of adult US citizens. ADA268661
- 93-11 Nakagawara, V.B., and Wood, K.J: Aviation accident risk for airmen with aphakia and artificial lens implants. ADA268389
- 93-12 Rodgers, M.D: SATORI: Situation assessment through the re-creation of incidents. ADA268390
- 93-13 Gilliland, K., and Schlegel, R.E: Readiness to perform testing: A critical analysis of the concept and current practices. ADA269397
- 93-14 Armenia-Cope, R., Marcus, J.H., Gowdy, R.V., and DeWeese, R.L: An assessment of the potential for neck injury due to padding of aircraft interior walls for head impact protection. ADA270509
- 93-15 Galaxy Scientific Corp: Human factors in aviation maintenance — Phase three, volume 1 progress report. ADA270508
- 93-16 Milburn, N.J., and Mertens, H.W: Validation of an inexpensive test illuminant for aeromedical color vision screening. N94-14854
- 93-17 Mertens, H.W., and Milburn, N.J: Validity of FAA-approved color vision tests for Class II and Class III aeromedical screening. N94-14846
- 93-18 Hellman, C.W., and Witt, L.A: Factors associated with continuance commitment to FAA matrix teams. ADA274561
- 93-19 McLean, G.A., Smith, L.T., Hill, T.J., and Rubenstein, C.J: Physiological correlates of stress-induced decrements in human perceptual performance. ADA274240
- 93-20 Prinzo, O.V., and Britton, T.W: ATC/pilot voice communications — A survey of the literature. ADA274457
- 93-21 Nakagawara, V.B., Wood, K.J., and Montgomery, R.W: Vision impairment and corrective considerations of civil airmen. ADA275508
- 93-22 Rodgers, M.D. (ed.): An examination of the operational error database for air route traffic control centers. ADA275986
- 1994**
- 94-1 Collins, W.E., and Wayda, M.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1993. ADA275913
- 94-2 Witt, A.W: Perceptions of organizational support and affectivity as predictors of job satisfaction. ADA277047
- 94-3 OU Vortac, Edwards, M.B., Fuller, D.K., and Manning, C.A: Automation and cognition in air traffic control: An empirical investigation. ADA277057
- 94-4 Broach, D., and Brecht-Clark, J: Validation of the Federal Aviation Administration air traffic control specialist pre-training screen. ADA277549

-
- 94-5 Blanchard, R.E., and Vardaman, J.J: Human factors in airway facilities maintenance: Development of a prototype outage assessment inventory. N94-26136
- 94-6 Schroeder, D.J., Touchstone, R.M., Stern, J.A., Stoliarov, N., and Thackray, R: Maintaining vigilance on a simulated ATC monitoring task across repeated sessions. ADA278792
- 94-7 Sanders, D.C., Chaturvedi, A.K., Endecott, B.R., Ritter, R.M., and Vu, N: Toxicity of carbon monoxide-hydrogen cyanide gas mixtures: Exposure concentration, time-to-incapacitation, carboxyhemoglobin, and blood cyanide parameters. N94-29919
- 94-8 Rasmussen, P., and Revzin, A: Scanning and monitoring performance can be affected by the reinforcement values of the events being monitored. N94-29918
- 94-9 Broach, D., and Manning, C.A: Validity of the air traffic control specialist nonradar screen as a predictor of performance in radar-based air traffic control training. ADA279745
- 94-10 Garner, R.P., Wilcox, B.C., England, H.M., and Nakagawara, V.B: Effects of cold exposure on wet aircraft passengers: A review. ADA280253
- 94-11 Marcus, J.E: A review of computer evacuation models and their data needs. ADA280707
- 94-12 Galaxy Scientific Corp: Human factors in aviation maintenance — Phase 3, Vol. 2 progress report. ADA283287
- 94-13 Nye, L.G., Schroeder, D.J., and Dollar, C.S: Relationships of Type A behavior with biographical characteristics and training performance of air traffic control specialists. ADA283813
- 94-14 Canfield, D.V., Flemig, J., Hordinsky, J.R., and Veronneau, S.J.H: Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents. ADA284233
- 94-15 Nakagawara, V.B., Montgomery, R.W., and Wood, K.J: The applicability of commercial glare test devices in the aeromedical certification of pilot applicants. ADA284232
- 94-16 White, V.L., Canfield, D.V., and Hordinsky, J.R: Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study. ADA284760
- 94-17 Stern, J.A., Boyer, D., and Schroeder, D.J: Blink rate as a measure of fatigue: A review. ADA284779
- 94-18 Endecott, B.R., Sanders, D.C., and Chaturvedi, A.K: Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion gas atmospheres. ADA285666
- 94-19 Gowdy, V: The performance of child restraint devices in transport airplane passenger seats. ADA285624
- 94-20 Hilton Systems, Inc: Age 60 rule research, Part I: Bibliographic database. N95-13019
- 94-21 Hyland, D.T., Kay, E.J., Deimler, J.D., and Gurman, E.B: Age 60 rule research, Part II: Airline pilot age and performance: A review of the scientific literature. ADA286246
- 94-22 Kay, E.J., Harris, R.M., Voros, R.S., Hillman, D.J., Hyland, D.T., and Deimler, J.D: Age 60 rule research, Part III: Consolidated database experiments final report. ADA286247
- 94-23 Hyland, D.T., Kay, E.J., and Deimler, J.D: Age 60 rule research, Part IV: Experimental evaluation of pilot performance. N95-13199

Part I: Chronological Index

- 94-24 Holloway, F.A: Low-dose alcohol effects on human behavior and performance: An update on post-1984 studies. N95-14863
- 94-25 Williams, K.W., Ed: Summary proceedings of the joint industry-FAA conference on development and use of PC-based aviation training devices. N95-14917
- 94-26 Stern, J.A., Boyer, D., Schroeder, D.J., Touchstone, R.M., and Stoliarov, N: Blinks, saccades, and fixation pauses during vigilance task performance. ADA290600
- 94-27 Endsley, M., and Rodgers, M.D: Situation awareness information requirements analysis for en route air traffic control. ADA289649

1995

- 95-1 Collins, W.E: A review of civil aviation fatal accidents in which "lost/disoriented" was a cause/factor. ADA290944
- 95-2 Parker, J.F., Jr., and Shepherd, W.T: Development of an intervention program to encourage shoulder harness use and aircraft retrofit in general aviation: Phases I and II. ADA290966
- 95-3 Harris, H.C., Schroeder, D.J., and Collins, W.E: The effects of age and low doses of alcohol on compensatory tracking during angular acceleration. N95-23934
- 95-4 Edwards, M.B., Fuller, D.K., OU Vortac, and Manning, C.A: The role of flight progress strips in en route air traffic control: A time-series analysis. ADA291152
- 95-5 Besco, R.O., Sangal, S.P., Nesthus, T.E., and Veronneau, S.J.H: A longevity and survival analysis for a cohort of retired airline pilots. ADA292060
- 95-6 Williams, K.W., and Blanchard, R.E: Qualification guidelines for personal computer-based aviation training devices: Instrument rating. ADA292961
- 95-7 Schroeder, D.J., Harris, H.C., Collins, W.E., and Nesthus, T.E: Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test. ADA292324
- 95-8 Chaturvedi, A.K., and Sanders, D.C: Aircraft fires, smoke toxicity, and survival: An overview. ADA292919
- 95-9 OU VORTAC, Edwards, M.B., and Manning, C.A: Functions of external cues in prospective memory. ADA291932
- 95-10 Myers, J.G: Enhancing the effects of diversity awareness training: A review of the research literature. ADA293933; N95-26361
- 95-11 Nakagawara, V.B., Montgomery, R.W., and Wood, K.J: An assessment of aviation accident risk for aphakic civil airmen by class of medical certificate held and by age. ADA293407
- 95-12 Cruz, C.E., and Della Rocco, P.S: Sleep patterns in air traffic controllers working rapidly-rotating shifts: A field study. ADA294159; N95-26204
- 95-13 Mertens, H.W., Milburn, N.J., and Collins, W.E: Practical color vision tests for air traffic control applicants: En Route, Center, and Terminal facilities. ADA294560; N95-27323
- 95-14 Shepherd, W.T., and Galaxy Scientific Corp: Human factors in aviation maintenance — Phase IV progress report. N95-27696

-
- 95-15 Prinzo, O.V., Hendrix, A., and Britton, T.W: Development of a coding form for approach control/pilot voice communications. N95-28540
- 95-16 Rodgers, M.D., and Drechsler, G.K: Conversion of the TRACON operations concepts database into a formal sentence outline job task taxonomy. N95-28819
- 95-17 Garner, R.P: The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires. N95-29224
- 95-18 Rodgers, M. (Ed): A human factors analysis of the operational demonstration flight inspection aircraft. N95-29365
- 95-19 Della Rocco, P.S., and Cruz, C.E: Shift work, age and performance: Investigation of the 2-2-1 shift schedule used in air traffic control facilities I: The sleep/wake cycle. N95-29261
- 95-20 Funkhouser, G.E., and George, M.H: Alternative methods for flotation seat cushion use. N95-29448
- 95-21 Hartel, C.E.J., and Hartel, G.F: Controller resource management—What can we learn from aircrews? ADA297386
- 95-22 McLean, G.A., George, M.H., Chittum, C.B., and Funkhouser, G.E: Aircraft evacuations through type-III exits I: Effects of seat placement at the exit. ADA297286
- 95-23 Boyer, D.J: The relationship among eye movements, head movements, and manual responses in a simulated air traffic control task. ADA298753
- 95-24 O'Donnell, R: The effect of alcohol and fatigue on an FAA readiness-to-perform test. ADA299076
- 95-25 McLean, G.A., and George, M.H: Aircraft evacuations through type-III exits II: Effects of individual subject differences. ADA299237
- 95-26 Chaturvedi, A.K., and Canfield, D.V: Role of metabolites in aviation forensic toxicology. ADA299212
- 95-27 Hunter, D.R: Airmen research questionnaire: Methodology and overall results. ADA300583
- 95-28 Canfield, D.V., Flemig, J.W., Hordinsky, J.R., and Birky, M: Drugs and alcohol found in fatal civil aviation accidents between 1989 and 1993. ADA302527
- 95-29 Mandella, J.G., Jr., and Garner, R.P: An economical alternative for the secondary container used for transporting infectious disease substances. ADA302648
- 95-30 DeWeese, R.L: An experimental abdominal pressure measurement device for child ATDs. ADA302651
- 95-31 Layton, C.F., and Shepherd, W.T: Results of a field study of the performance enhancement system: A support system for aviation safety inspectors. ADA303336
- 95-32 Schroeder, D.J., Rosa, R.R., and Witt, L.A: Some effects of 8- vs. 10-hour work schedules on the test performance/alertness of air traffic control specialists. ADA302810
- 1996**
- 96-1 Collins, W.E., and Wayda, M.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1995. ADA3040263
- 96-2 Shepherd, W.T., and Galaxy Scientific Corp: Human factors in aviation maintenance: Phase V progress report. ADA304262

Part I: Chronological Index

- 96-3 Baker, S.P., Lamb, M.W., Li, G., and Dodd, R.S: Crashes of instructional flights: Analysis of cases and remedial approaches. ADA304890
- 96-4 Garner, R.P: Performance of a continuous flow passenger oxygen mask at an altitude of 40,000 ft. N96-22217
- 96-5 Albright, C.A., Truitt, T.R., Barile, A.B., OU Vortac, and Manning, C.A: How controllers compensate for the lack of flight progress strips. ADA305305
- 96-6 Morrison, J.E., Fotouhi C.H., and Broach D: A formative evaluation of the collegiate training initiative—Air Traffic Control Specialist Program. ADA305307
- 96-7 Marcus, J: Determination of effective thoracic mass. ADA306061
- 96-8 Williams, K.W: Qualification guidelines for personal computer-based aviation training devices: Instrument rating. ADA306206
- 96-9 Stern, J.A., Boyer, D., Schroeder, D.J., Touchstone, R.M., and Stoliarov, N: Blinks, saccades and fixation pauses during vigilance task performance: II. Gender and time of day. ADA307024
- 96-10 Kanki, B.G. (Editor), and Prinzo, O.V. (Co-Editor): Methods and metrics of voice communications. ADA307148
- 96-11 Marcus, J.H: Dummy and injury criteria for aircraft crashworthiness. ADA308948
- 96-12 Nakagawara, V.B., Coffey, J.D., and Montgomery, R.W: Ophthalmic requirements and considerations for the en route air traffic control specialist: An ergonomic analysis of the visual work environment. N96-25681
- 96-13 Young, W.C., Broach, D., and Farmer, W.L: Differential prediction of FAA Academy performance on the basis of gender and written Air Traffic Control Specialist aptitude test scores. ADA308354
- 96-14 Kupiec, T.C., Canfield, D.V., and White, V.L: The analysis of benzodiazepines in forensic urine samples. ADA309377
- 96-15 Beringer, D.B: Use of off-the-shelf PC-based flight simulators for aviation human factors research. ADA309237
- 96-16 Beringer, D.B., and Harris, H.C., Jr: A comparison of the effects of navigational display formats and memory aids on pilot performance. ADA309382
- 96-17 Canfield, D., White, V., Soper, J., and Kupiec, T: A comprehensive drug screening procedure for urine using HPLC, TLC, and mass spectroscopy. ADA309962
- 96-18 McLean, G.A., George, M.H., Funkhouser, G.E., and Chittum, C.B: Aircraft evacuations onto escape slides and platforms I: Effects of passenger motivation. ADA311257
- 96-19 Kirkbride, L.A., Jensen, R.S, Chubb, G.P., and Hunter, D.R: Developing the personal minimums tool for managing risk during preflight go/no-go decisions. ADA313639
- 96-20 Prinzo, O.V., and Maclin, O: Aviation topics speech acts taxonomy (ATSAT) pc user's guide version 2.0. ADA314179
- 96-21 Collins, W.E., and Dollar, C.S: Fatal general aviation accidents involving spatial disorientation: 1976-1992. ADA313864
- 96-22 Mertens, H.W., Milburn, N.J., and Collins, W.E: A further validation of the practical color vision test for enroute air traffic control applicants. ADA314600

- 96-23 Della Rocco, P., and Cruz, C: Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in air traffic control facilities II: Laboratory performance measures. ADA315493
- 96-24 Bailey, L., and Shaw, R: Flight inspection crew resource management training needs analysis. ADA316691
- 96-25 Veronneau, S.J.H., Mohler, S.R., Pennybaker, A.L., Wilcox, B.C., and Sahiar, F: Survival at high altitudes: Wheel-well passengers. ADA317375
- 96-26 Prinzo O.V., and Maclin, O: An analysis of approach control/pilot voice communications. ADA317528
- 96-27 Nakagawara V.B., and Wood K.J: The use of task-specific lenses by presbyopic air traffic controllers at the en route radar console. ADA320284
- 1997**
- 97-1 Collins, W.E., and Wayda, M.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1996. ADA322331
- 97-2 DeJohn, C.A., Veronneau, S.J.H., and Hordinsky, J.R: Inflight medical care: An update. ADA322708
- 97-3 Driskill, W.E., Weissmuller, J.J., Quebe, J., Hand, D.K., Dittmar, M.J., and Hunter, D.R: The use of weather information in aeronautical decision-making. ADA323543
- 97-4 Young, W.C., Broach, D., and Farmer, W.L: The effects of video game experience on computer-based Air Traffic Control Specialist, air traffic scenario test scores. ADA322774
- 97-5 Gilliland, K., and Schlegel, R.E: A laboratory model of Readiness-to-Perform testing: Learning rates and reliability analyses for candidate testing measures. ADA323620
- 97-6 Kochan, J.A., Jensen, R.S., Chubb, G.P., and Hunter, D.R: A new approach to aeronautical decision-making: The expertise method. ADA323793
- 97-7 Nesthus, T.E., Garner, R.P., Mills, S.H., and Wise, R.A: Effects of simulated general aviation altitude hypoxia on smokers and nonsmokers. ADA323899
- 97-8 Thompson, R.C., Hilton, T.F., and Witt, L.A: Where the safety rubber meets the shop floor: A confirmatory model of management influence on workplace safety. ADA324677
- 97-9 Nesthus, T.E., Rush, L.L., and Wreggit, S.S: Effects of mild hypoxia on pilot performance at general aviation altitudes. ADA324719
- 97-10 Milburn, N.J., and Mertens, H.W: Evaluation of a range of target blink amplitudes for attention-getting value in a simulated air traffic control display. ADA326465
- 97-11 Taylor, H.L., Lintern, G., Hulin, C.L., Talleur, D., Emanuel, T., and Phillips, S: Transfer of training effectiveness of personal computer-based aviation training devices. ADA325887
- 97-12 Thompson, R.C., Hilton, T.F., and Behn, L.D: Baseline assessment of the National Association of Air Traffic Specialists/Federal Aviation Administration partnership. ADA326753
- 97-13 Endsley, M.R., and Rodgers, M.D: Distribution of attention, situation awareness, and workload in a passive air traffic control task: Implications for operational errors and automation. ADA328997
- 97-14 Kupiec, T.C., and Chaturvedi, A.K: Stereochemical determination of selegiline metabolites in postmortem biological specimens. ADA329026

Part I: Chronological Index

- 97-15 Broach, D., and Manning, C.A: Review of air traffic controller selection: An international perspective. ADA328993
- 97-16 Hunter, D.R: An evaluation of safety seminars. ADA329009
- 97-17 Schroeder, D.J., and Dollar, C.S: Personality characteristics of pre/post-strike air traffic control applicants. ADA328998
- 97-18 Marcus, J.H: A flexible cabin simulator. ADA328996
- 97-19 Broach, D: Designing selection tests for the future National Airspace System architecture. ADA329231
- 97-20 Court, M.C., and Marcus, J.H: Use of object-oriented programming to simulate human behavior in emergency evacuation of an aircraft's passenger cabin. ADA329462
- 97-21 Salazar, G.J., DeJohn, C.A., Hansrote, R.W., and Key, O.R: Bloodborne pathogens in aircraft accident investigation. ADA340366
- 97-22 Gronlund, S.D., Dougherty, M.R.P., Ohrt, D.D., Thomson, G.L., Bleckley, M.K., Bain, D.L., Arnell, F., and Manning, C.A: The role of memory in air traffic control. ADA340263
- 97-23 Driskill, W.E., Weissmuller, J.J., Hand, D.K., and Hunter, D.R: The use of weather information in aeronautical decision-making: II. ADA340406
- 97-24 Beringer, D.B., and Harris, H.C., Jr: Automation in general aviation: Two studies of pilot responses to autopilot malfunctions. ADA340243
- 97-25 Gilliland, K., Schlegel, R.E., and Nesthus, T.E: Workshift and antihistamine effects on task performance. ADA340510
- 1998**
- 98-1 Collins, W.E., and Wayda, M.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1997. ADA339254
- 98-2 McLean, G.A., and Chittum, C.B: Performance Demonstrations of Zinc Sulfide and Strontium Aluminate Photoluminescent Floor Proximity Escape Path Marking Systems. ADA339339
- 98-3 McLean, G. A., Palmerton, D. A., Chittum, C. B., George, M. H., and Funkhouser, G. E. Inflatable Escape Slide Beam and Girt Strength Tests: Support for Revision of Technical Standard Order C-69b. ADA339410
- 98-4 Wolf, M.B., and Garner, R.P: Effect of an airplane cabin water spray system on human thermal behavior: A theoretical study using a 25-node model of thermoregulation. ADA339365
- 98-5 Canfield, D.V., Smith, M.D., Adams, H.J., and Houston, E.R: Selection of an Internal Standard for Postmortem Ethanol Analysis. ADA339340
- 98-6 Jensen, R.S., Guilkey, J.E., and Hunter, D.R: An Evaluation of Pilot Acceptance of the Personal Minimums Training Program for Risk Management. ADA340338
- 98-7 Driskill, W.E., Weissmuller, J.J., Quebe, J., Hand, D.K.; and Hunter, D.R: Evaluating the Decision-Making Skills of General Aviation Pilots. ADA341118
- 98-8 Thompson, R.C., Agen, R.A., and Broach, D.M: Differential Training Needs and Abilities at Air Traffic Control Towers: Should All Controllers Be Trained Equally? ADA340829

- 98-9 Wreggit, S.S., and Marsh, D.K., II Cockpit Integration of GPS: Initial Assessment-Menu Formats and Procedures. ADA341122
- 98-10 Sanders, D.C., Chaturvedi, A.K., and Hordinsky, J.R., Aeromedical Aspects of Melatonin—An Overview. ADA341726
- 98-11 Gowdy, R.V., and DeWeese, R: Evaluation of Improved Restraint Systems for Parachutists. ADA342643
- 98-12 Williams, K.W: GPS Design Considerations: Displaying Nearest Airport Information. ADA346043
- 98-13 Shehab, R.L., Schlegel, R.E., and Palmerton, D.A: A Human Factors Perspective on Human External Loads. ADA350729
- 98-14 Rodgers, M.D., Mogford, R.H., and Mogford, L.S: The Relationship of Sector Characteristics to Operational Errors. ADA350717
- 98-15 Mills, S.H: The combination of flight count and control time as a new metric of air traffic control activity. ADA350504
- 98-16 Gronlund, S.D., Ohrt, D.D., Dougherty, M.R.P., Perry, J.L., and Manning, C.A: Aircraft importance and its potential relevance to situation awareness. ADA350417
- 98-17 Prinzo, O. V., An Analysis of Voice Communication in a Simulated Approach Control Environment. ADA350523
- 98-18 Chaturvedi, A.K., Vu, N.T., Ritter, R.M., and Canfield, D.V., DNA Profiling as an Adjunct Quality Control/Quality Assurance in Forensic Toxicology. ADA379287
- 98-19 Cospes, D.K. & McLean, G.A: Analysis of Ditching and Water Survival Training Programs of Major Airframe Manufacturers and Airlines. PB99146839XSP
- 98-20 Prinzo, O.V., Lieberman, P., and Pickett, E: An acoustic analysis of ATC communication. ADA353962
- 98-21 Canfield, D.V., Smith, M.D., Ritter, R.M., and Chaturvedi, A.K: Preparation of carboxyhemoglobin standards and calculation of spectrophotometric quantitation constants. ADA379272
- 98-22 Broach, D: Summative evaluation of the collegiate training initiative for air traffic control specialists program: Progress of Minnesota Air Traffic Control Training Center graduates in en route field training. ADA355085
- 98-23 Broach, D. (Editor): Recovery of the FAA Air Traffic Control specialist workforce, 1981-1992. ADA355135
- 98-24 Thompson, R.C, Bailey, L.L., and Farmer, W.L: Predictors of perceived empowerment: An initial assessment. ADA355185
- 98-25 Nakagawara, V.B., and Wood, K.J: The aeromedical certification of photorefractive keratectomy in civil aviation: A reference guide. ADA382812
- 98-26 Durso, F.T., Truitt, T.R., Hackworth, C.A., Albright, C.A., Bleckley, M.K., and Manning, C.A: Reduced flight progress strips in en route ATC mixed environments. ADA382818
- 98-27 Garner, R.P., Murphy, R.E., Hudgins, C.B., and Mandella, J.G., Jr: Performance of a portable oxygen breathing system at 25,000 feet altitude. ADA357729
- 98-28 Wickens, C.D. and Ververs, P.M: Allocation of Attention With Head-Up Displays. ADA359344

1999

Collins, W.E., and Wayda, M.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1998. ADA360592

- 99-2 Della Rocco, P.S., (Editor): The Role of Shift Work and Fatigue in Air Traffic Control Operational Errors and Incidents. ADA360730
- 99-3 Durso, F.T., Hackworth, C.A., Truitt, T.R., Crutchfield, J., Nikolic, D., and Manning, C.A: Situation awareness as a predictor of performance in en route air traffic controllers. ADA360807
- 99-4 Garner, R.P: Concepts providing for physiological protection after aircraft cabin decompression in the altitude range of 60,000 to 80,000 feet above sea level. ADA360727
- 99-5 Gowdy, V., George, M., and McLean, G. A: comparison of buckle release timing for push-button and lift-latch belt buckles. ADA360725
- 99-6 Nakagawara, V.B., Wood, K.J., and Montgomery, R.W: Refractive surgery in the civil airman population by class of medical certificate and by aviation occupation. ADA361329
- 99-7 Rakovan, L., Wiggins, M.W., Jensen, R.S., and Hunter, D.R: A survey of pilots on the dissemination of safety information. ADA361233
- 99-8 Milburn, N.J., and Mertens, H.W: Optimizing blink parameters for highlighting an air traffic control situation display. ADA316258
- 99-9 Joseph, K., Jahns, D., Nendick, M., and St. George, R: A usability survey of GPS avionics equipment: Some preliminary findings. ADA362193
- 99-10 McLean, G.A., George, M.H., Funkhouser, G.E., and Chittum, C.B: Aircraft evacuations onto escape slides and platforms II: Effects of exit size. ADA362480
- 99-11 Chaturvedi, A.K: First seven years (1991-1998) of the FAA's postmortem forensic toxicology proficiency testing program. ADA362556
- 99-12 Pounds, J., and Bailey, L.L: Cognitive style and learning: Performance of Adaptors and Innovators in a novel dynamic task. ADA363458
- 99-13 Williams, K.W: GPS user-interface design problems. ADA363331
- 99-14 Vu, N.T., Chaturvedi, A.K., and Canfield, D.V: Urinary genotyping for DQA1 and PM loci using PCR-based amplification: Effects of sample volume, storage temperature, preservatives, and aging on DNA extraction and typing. ADA363461
- 99-15 Lewis, R.J., Huffine, E.F., Chaturvedi, A.K., Canfield, D.V., and Mattson, J: Formation of an interfering substance, 3,4-dimethyl-5-phenyl-1,3-oxazolidine, during a pseudoephedrine urinalysis. ADA363777
- 99-16 Broach, D., Farmer, W.L., and Young, W.C: Differential prediction of FAA Academy performance on the basis of race and written Air Traffic Control Specialist aptitude test scores. ADA363587
- 99-17 Joseph, K.M., Thompson R.C., Bailey, L.L., Williams, C.A., Worley, J.A., and Schroeder, D.J: The influence of ergonomics interventions on employee stress and physical symptoms. ADA364891
- 99-18 Heil, M.C: An investigation of the relationship between chronological age and job performance for incumbent Air Traffic Control Specialists. ADA364893

- 99-19 Behn, L.D., Thompson, R.C., and Hilton, T.F: Follow-up assessment of the Federal Aviation Administration's Logistics Center safety climate. ADA365569
- 99-20 Gilliland, K., and Schlegel, R.E: Effects of antihistamine, age, and gender on task performance. ADA366860
- 99-21 Morrow, D.G., and Prinzo, O.V: Improving pilot/ATC voice communication in General Aviation. ADA367894
- 99-22 Milke, R.M., Becker, J.T., Lambrou, P., Harris, H.C., and Schroeder, D.J: The effects of age and practice on aviation-relevant concurrent task performance. ADA367887
- 99-23 Heil, M.C: The relationship between ATCS age and cognitive test performance. ADA368670
- 99-24 Bailey, L.L., Broach, D.M., Thompson, R.C., and Enos, R.J: Controller Teamwork Evaluation and Assessment Methodology: A Scenario Calibration Study. ADA370417
- 99-25 Worley, J.A., Bailey, L.L., Thompson, R.C., Joseph, K.M, and Williams, C.A: Organizational communication and trust in the context of technology change. ADA370769
- 99-26 Williams, K.W: GPS user-interface design problems: II. ADA363331
- 99-27 Thompson, R.C., Bailey, L.L., Joseph, K.M., Worley, J.A., and Williams, C.A: Organizational change: Effects of fairness perceptions on cynicism. ADA371588
- 99-28 Sirevaag, E.J., Rohrbaugh, J.W., Stern, J.A., Vedeniapin, A.B., Packingham, K.D., and LaJonchere, C.M: Multi-dimensional characterizations of operator state: A validation of oculomotor metrics.
- 99-29 Soper, J.W., Chaturvedi, A.K., and Canfield, D.V: Prevalence of chlorpheniramine in aviation accident pilot fatalities, 1991-1996. ADA372538
- 99-30 Hynes, M.K: Frequency and costs of transport airplane precautionary emergency evacuations. ADA372580
- 2000**
- 00-1 Collins, W.E., and Wayda, M.E: Index to FAA Office of Aviation Medicine Reports: 1961 through 1999. ADA373794
- 00-2 Manning, C.A. (Editor): Measuring Air Traffic Controller Performance in a High-Fidelity Simulation. ADA373813
- 00-3 Hilton, T.F., Hart, I.S., Farmer, W.L., Thompson, J.J., Behn, L.D: The FAA Health Awareness Program: Results of the 1998 customer service assessment survey. ADA373761
- 00-4 Joseph, K.M., and Jahns, D.W: Enhancing GPS receiver certification by examining pilot-performance databases.
- 00-5 Truitt, T.R., Durso, F.T., Crutchfield, J.M., Moertl, P., and Manning, C.A: Reduced posting and marking of flight progress strips for en route air traffic control.
- 00-6 Garner, R.P., Murphy, R.E., Donnelly, S.S., Thompson, K.E., and Geiwitz, K.L: Testing the structural integrity of the Air Force's Emergency Passenger Oxygen System at altitude.
- 00-7 Shappell, S.A., and Weigmann, D.A: The Human Factors Analysis and Classification System-HFACS.
- 00-8 Williams, K.W: Comparing text and graphics in navigation display design. ADA375445

Part I: Chronological Index

- 00-9 Chaturvedi, A.K., Smith, D.R., and Canfield, D.V: Blood carbon monoxide and cyanide concentrations in the fatalities of fire and non-fire associated civil aviation accidents.
- 00-10 Della Rocco, P.S., Comperatore, C., Caldwell, L., and Cruz, C.E: The effects of napping on night shift performance.
- 00-11 Hynes, M.K: Evacuee injuries and demographics in transport airplane precautionary emergency evacuations.
- 00-12 Heil, M.C., and Agnew, B.O: The effects of previous computer experience on Air Traffic-Selection and Training (AT-SAT) test performance. ADA377228
- 00-13 DeJohn, C.A., Véronneau, S.J.H., Wolbrink, A.M., and Larcher, J.G: The evaluation of in-flight medical care aboard selected U.S. air carriers: 1996 to 1997. ADA377878
- 00-14 Thompson, R.C., Joseph, K.M., Bailey, L.L., Worley, J.A., and Williams, C.A: Organizational change: An assessment of trust and cynicism.
- 00-15 Russell, C.J., Dean, M.A., and Broach, D.M: Guidelines for bootstrapping validity coefficients in ATCS selection research. ADA379430
- 00-16 Vu, N.T., Chaturvedi, A.K., Canfield, D.V., Soper, J.W., Kupfer, D.M., and Roe, B.A: DNA-based detection of ethanol-producing microorganisms in postmortem blood and tissues by polymerase chain reaction. ADA379226
- 00-17 Thompson, R.C., and Bailey, L.L: Age and attitudes in the air traffic control specialist workforce: An initial investigation. ADA379286
- 00-18 Nakagawara, V.B., and Véronneau, S.J.H: A unique contact lens-related airline aircraft accident. ADA379287
- 00-19 Nakagawara, V.B., Wood, K.J., and Montgomery, R.W: Refractive surgery in aircrew members who fly for scheduled and non-scheduled civilian airlines.
- 00-20 Lewis, R.J., Johnson, R.D., and Blank, C.L: A novel method for the determination of sildenafil (Viagra®) and its metabolite in postmortem specimens using LC/MS/MS and LC/MS/MS.
- 00-21 Canfield, D.V., Hordinsky, J., Millett, D.P., Endecott, B., and Smith, D: Prevalence of drugs and alcohol in fatal civil aviation accidents between 1994 and 1998. ADA379272
- 00-22 Canfield, D.V., Chaturvedi, A.K., Boren, H.K., Véronneau, S.J.H., and White, V.L: Abnormal glucose levels found in transportation accidents.
- 00-23 Nakagawara, V.B., and Montgomery, R.W: Gender differences in a refractive surgery population of civilian aviators.
- 00-24 Pfleiderer, E.M: Multidimensional scaling analysis of controllers' perceptions of aircraft performance characteristics. ADA382823
- 00-25 Bailey, L., and Thompson, R: The effects of performance feedback on air traffic control team coordination: A simulation study. ADA382812
- 00-26 Schvaneveldt, R., Beringer, D.B., Lamonica, J., Tucker, R., and Nance, C: Priorities, organization, and sources of information accessed by pilots in various phases of flight. ADA382818
- 00-27 Naff, K.C., and Thompson, R.C: The impact of teams on the climate for diversity in government: The FAA experience. ADA382809

- 00-28 Bailey, L.L., Peterson, L.M., Williams, K.W., and Thompson, R.C: Controlled flight into terrain: A study of pilot perspectives in Alaska. ADA382989
- 00-29 Lewis, R.J., Southern, T.L., Cardona, P.S., Canfield, D.V., and Garber, M: Distribution of butalbital in biological fluids and tissues.
- 00-30 Mills, S.H: The computerized analysis of ATC tracking data for an operational evaluation of CDTI/ADS-B technology.
- 00-31 Williams, K: Impact of aviation highway-in-the-sky displays on pilot situation awareness. ADA384535
- 00-32 Fiedler, E.R., Della Rocco, P.S., Schroeder, D.J., and Nguyen, K: The relationship between aviators' home-based stress to work stress and self-perceived performance. ADA384889
- 00-33 Nicholas, J., Copeland, K., Duke, F., Friedberg, W., and O'Brien, K: Galactic cosmic radiation exposure of pregnant aircrew members II.
- 00-34 Chaturvedi, A.K., Smith, D.R., and Canfield, D.V: A fatality caused by hydrogen sulfide produced from an accidental transfer of sodium hydrosulfide into a tank containing iron sulfate and sulfuric acid.

